

石 塚 満 先生

の研究教育活動

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東京大学 情報理工学系研究科

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石塚 満 (いしづか みつる)

生年月日： 1948年4月23日

出生地： 神奈川県小田原市



略歴

学歴

- 1967年3月 神奈川県立湘南高校 卒業
- 1967年4月 東京大学 理科I類 入学
- 1971年6月 同 工学部 電子工学科 卒業
- 1973年3月 同 工学系研究科 電子工学専攻 修士課程 修了
- 1976年3月 同 博士課程 修了. 工学博士.

職歴

- 1976年4月 日本電信電話公社
横須賀電気通信研究所 (移動通信研究室) 勤務
- 1978年12月 東京大学 生産技術研究所 助教授
(第3部, 及び 多次元画像処理センター)
- 1980年5月~1981年10月 米国パデュー大学
Dept. Electrical Eng. Visiting Assoc. Prof.
- 1992年7月 東京大学 生産技術研究所 第3部 教授
- 1992年12月 東京大学 工学部 電子情報工学科 教授
- 2001年4月 同 大学院情報理工学系研究科 電子情報学専攻 教授 (配置換)
- 2005年4月 同 創造情報学専攻 教授 (配置換), 電子情報学専攻兼務
- 2013年1月 同 電子情報学専攻 教授 (配置換)

- 2004年度 創造情報学設置準備室長
- 2010年度 情報理工学系研究科 副研究科長
- 2010年度 工学・情報理工学図書館長

研究テーマとその変遷

- ◇画像符号化, 適応的画像処理 (1971-76: 大学院・猪瀬研究室)
- ◇デジタル移動通信 (1976-77: 日本電信電話公社・横須賀研究所)

□画像メディア処理, 生命的エージェント, マルチモーダルメディア

- ◇画像処理, パターン認識 (1978-85)
- ◇リアリスティックな顔をもつ VSA(Visual Software Agent) (1988-2000)
- ◇並列画像処理プロセッサ TN-VIT (1888-93)
- ◇マルチモーダルメディア記述言語 MPML とその発展形 (1998--)
- ◇生命的エージェントとの(Webを含む)インタラクション(1994--)
- ◇テキストからの感情センシング (2005-11)
- ◇モノログテキストからの対話生成 (2007--)

□人工知能, 知能情報学

- ◇エキスパートシステム, AI ツール (1980-81:パデュー大学, 1981-85)
- ◇不確実な知識の扱い (1980-85)
- ◇仮説推論, 特にその高速化 (1986-2000)

□Web 知能化

- ◇Web 変化検出, Web テキストマイニング, 要約, キーワード抽出, 構造化 (1995--)
- ◇人間関係ネットワーク抽出, 属性抽出 (2003-10)
- ◇関係類似性, 関係検索 (2007-12)
- ◇意味計算基盤 (2001--)

表彰

- 1979.3 電子情報通信学会・学術奨励賞 (デジタル移動通信に関する研究)
- 1991.6 人工知能学会創立 5 周年記念論文賞
- 1992 非破壊検査協会功績賞
- 1996.10 郵政大臣表彰 (情報化月間個人表彰)
- 2003.6 人工知能学会 2002 年度論文賞
- 2007.6 人工知能学会功績賞
- 2007.6 人工知能学会フェロー
- 2010.12 Google Research Award

- 1991.9 IECON'91 Best Paper Award (Annual Conf. of the IEEE Industrial Electronics)
Osamu Hasegawa, Wiwat Wongwarawipat, Chil-Woo Lee, and Mitsuru Ishizuka:

- “Real-time Moving Human Face Synthesis using a Parallel Computer Network”,
Proc. Int'l Conf. on Industrial Electronics, Control and Instrumentation
(IECON'91), IEEE Industrial Elec. Soc., Kobe, pp.1380-1385 (1991.9)
- 2000.8 PRICAI-2000 Best Paper Award (6th Pacific Rim Int'l Conf. on Artificial
Intelligence)
Helmut Prendinger, Mitsuru Ishizuka and Tetsu Yamamoto:
“The Hyper System: Knowledge Reformation for Efficient First-order
Hypothetical Reasoning”, PRICAI2000 Topics in Artificial Intelligence (Proc. 6th
Pacific Rim Int'l Conf. on AI, Melbourne), Lecture Notes in AI 1886,
pp.93-103, Springer (2000.8)
- 2001.7 SCI2001 Best Paper Award
Naohiro Matsumura, Yukio Ohsawa, Mitsuru Ishizuka: “Future Directions of
Communities on the Web”, Proc. 5th Multi-Conf. on Systems, Cybernetics and
Informatics (SCI2001), Vol.8 pp.406-409, Orland Florida (2001.7)
Invited Session on Chance Discovery
- 2003.11 IASTED Best Paper Award in the area of Software Quality and Testing
Zhenglu Yang, Arturo Nakasone, Adam Jatowt, and Mitsuru Ishizuka:
"A Two-Model Framework for Multimodal Presentation with Life-like Characters
in Flash Medium", SEA 2003, Marina del Rey, CA, USA (2003.11)
(IASTED: Int'l Association of Science and Technology for Development)
- 2010.8 COLING 2010 Best Paper Award Finalist
Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka:
“Recognition of Affect, Judgment, and Appreciation in Text”,
Proc. 23rd Int'l Conf. on Computational Linguistics (COLING 2010), Beijing,
China, pp.806-814 (2010.8)
- 2010.8 PRICAI 2010 Best Poster Award
Tomokazu Goto, Nguyen Tuan Duc, Danushka Bollegala and Mitsuru Ishizuka:
“Exploiting Symmetry in Relational Similarity for Ranking Search Results”
(short paper), PRICAI 2010: Trends in Artificial Intelligence (Proc. 11th Pacific
Rim Int'l Conf. on AI, Daegu, Korea), Springer LNAI 6230, pp.595-600
(2010.9)
- 2011.6 STAIR'11 Best Paper Award
Mamdouh Farouk and Mitsuru Ishizuka: “Semantic Structure Content for
Dynamic Web Pages”, Proc. 2011 Int'l Conf. on Semantic Technology and
Information Retrieval (STAIR'11), Putrajaya, Malaysia, pp.48-52 (2011.6)
- 2012.5. WebTech2012 Best Research Paper Award
Mitsuru Ishizuka and Mamdouh Farouk: “CDL-based Semantic representation for
Web Databases”, Proc. 2nd Annual Int'l Conf. on Web Technologies & Internet

(学会研究会, 全国大会での学生, 研究員との優秀論文賞, 奨励賞等は 20 以上だが, 完全データがないため, 省略.)

学会・官公庁・財団等での役職 (主要なもの抜粋)

- 人工知能学会・編集委員 1986-2000
人工知能学会・理事 (国際委員会担当) 1991-1993
人工知能学会・理事・編集委員長 2000-2002
人工知能学会・ハンドブック編集委員会 (副委員長) 2002-2004
人工知能学会・副会長 2002-2004
人工知能学会・会長 2004-2006
人工知能学会・顧問 2006-現在
人工知能学会・出版委員会・委員長 2003-2006 委員 2006-現在
- 情報処理学会・編集委員 1983-1986
情報処理学会・人工知能研究会・幹事 1983-1985
情報処理学会・人工知能研究会・主査 1990-1994
情報処理学会・SC23(光ディスク)専門委員会・委員 1985-1987
- 電子情報通信学会・論文誌D・論文委員 1985-1989
電子情報通信学会・情報システムグループ・庶務幹事 1987-1989
電子情報通信学会・人工知能と知識処理研究専門委員会・委員 1990-現在
- 電子情報通信学会・東京支部・評議員 1997-1998
電子情報通信学会・評議員 1999-2000
電子情報通信学会・ハンドブック委員会 (委員) 1990-1994
(幹事長) 1994-1999 (幹事) 2000--2005
電子情報通信学会・教科書委員会・幹事 2001-現在
- 画像電子学会・編集委員 1984-2013
非破壊検査協会・008NDI エキスパートシステム特別研究委員会・主査 1988-1991
- 新世代コンピュータ技術開発機構(ICOT)・知識システムアーキテクチャ WG
主査 1987-1990
新世代コンピュータ技術開発機構(ICOT)・設計向け高次推論と並列処理 WG

主査 1990-1992

JIPDEC・AI技術全体動向WG・委員 1991-1993

通産省・次世代情報処理基盤技術開発事業（RWC後期）評価委員 1997-1998

郵政省・ヒューマンインタフェースサポートシステム調査委員会・座長 1988-1990

郵政省 CCITT 第7専門委員会・主査 1989-1993

郵政省 ITU 第7専門委員会・主査 1993-1996

通信放送機構(TAO)・高度通信・放送研究開発に係わる評価委員会・委員 1997-2004

情報通信研究機構(NICT)・拠点研究開発評価委員会・委員 2005-現在

日本情報処理開発協会(JIPDEC)AIセンター・AI技術全体動向WG委員 1991-1992

NTT電気通信技術委員会・無線アクセス分科会委員 1994-1997

(財)未来工学研究所・科学技術の中長期発展に係わる俯瞰的予測調査

・情報通信分科会委員 2003--2004

KDDI技術懇談会・委員 2003-2013

特許庁・特許出願技術動向調査「インターネット社会における検索技術」

・委員長 2008-2009

文部科学省・大学設置審議会・大学設置分科会工学専門委員会

(電気電子部門担当委員) 2002—2004, (副主査) 2004, (主査) 2005

文部科学省・情報科学技術委員会・委員 2011-2013

大学評価学位授与機構・工学研究評価専門委員会(情報系部会)・委員 2002

日本学術会議情報工学研究連絡委員会・日本工学アカデミー情報専門部会

我が国の情報工学分野における学術水準とその振興策調査(WG-B主査) 1991-1992

日本学術会議・第5部・知能工学専門委員会・委員長 2003-2005

日本学術会議・会員候補者選考委員会・専門委員(情報・電気電子系) 2005

日本学術会議・連携会員(情報学) 2006-現在

科学技術振興機構(JST) 研究開発戦略センター 特任フェロー 2007-2010

(財)電気電子情報学術振興財団・選考委員会(委員長) 2002-2004

(財)電気電子情報学術振興財団(常務理事) 2004-2009(理事長) 2009-2012

NPO 法人セマンティック・コンピューティング研究開発機構(ISeC)

(理事) 2004-2008(理事長) 2008-現在

Expert Systems -- The Int'l Journal of Knowledge Engineering (Learned Information Ltd),

Co-Editor, 1984-1986

Knowledge-Based Systems (Elsevier), Editorial Board Member, 1988-present

PRICAI Steering Committee Member, 2004-present

国際会議での Chair 等

IEEE Int'l Workshop on Industrial Applications of Machine Intelligence and Vision (MIV-89), Tokyo (1989.4): Workshop Chair

Int'l Joint Conf. on Artificial Intelligence (IJCAI-97), Nagoya (1997.8), Local Organizing Committee, Vice-chair

IJCAI-97 Workshop on Intelligent Mutlimodal Systems, Nagoya (1997.8): Workshop Co-chair

The 7th Pacific-Rim Int'l Conf. on Artificial Intelligence (PRICAI-2002), Tokyo (2002.8): Program Co-chair

WWW2005 Workshop on Semantic Computing, Makuhari, Chiba (2005.5): Workshop Co-chair

IEEE 2nd Int'l Conf. on Semantic Computing (ICSC-2008), Santa Clara, CA, USA (2008.8): Conference Co-chair

The 8th Int'l Conf on Intelligent Virtual Agents (IVA-08), Tokyo (2008.9): Conference Co-chair

The 12th Pacific-Rim Int'l Conf. on Artificial Intelligence (PRICAI-2012), Kuching, Malaysia (2012.9): Conference Co-chair

IEEE 6th Int'l Conf. on Semantic Computing (ICSC-2012), Palermo, Italy (2012.9): Conference Co-chair

論文・著作

<学術誌論文 / Journal Papers>

- 猪瀬博, 石塚満: 画像信号の二次元予測による適応形符号化方式, 電子通信学会論文誌, Vol.57-A, No.9, pp.527-534 (1974.9)
- 石塚満, 臼井修司, 猪瀬博: 1MHz テレビ電話信号の2次元予測適応型予測符号化に関する実験的研究, テレビジョン学会誌, Vol.29, No.2, pp.111-116 (1975.2)
- 石塚満, 猪瀬博: 画像のアダプティブ雑音処理の解析と実現法, 電子通信学会論文誌, Vol.61-B, No.4, pp.245-252 (1977.4)
- K. Hirade, M. Ishizuka, and F. Adachi: **Error-Rate Performance of Digital FM with Discriminator-Detection in the Presence of Co-channel Interference under Fast Rayleigh Fading Environment**, Trans. of IECE of Japan, Vol.E61, No.9, pp.704-709 (1978.9)
- 安達文幸, 石塚満, 平出賢吉: デジタル信号伝送における誤り率特性の導出法について, 電子通信学会論文誌, Vol.J62-B, No.1, pp.74-75 (1979.1)
- K. Hirade, M. Ishizuka, F. Adachi, and K. Ohtani: **Error-Rate Performance of Digital FM with Differential Detection in Land Mobile Radio Channels**, IEEE Trans. on Vehicular Technology, Vol. VT-28, No.3, pp.204-212 (1979.8)
- M. Ishizuka and K. Hirade: **Optimum Gaussian Filter and Deviated-Frequency-Locking Scheme for Coherent Detection of MSK**, IEEE Trans. on Communication, Vol.28, No.6, pp.850-857 (1980.6)
- 石塚満, 坪井邦明, 尾上守夫: 家庭用VTRを利用するデジタル画像ファイル, テレビジョン学会誌, Vol.35, No.1, pp.43-45 (1981.1)
- 石塚満, 坪井邦明, 尾上守夫: デジタル画像処理装置入力用テレビジョン信号シェーディング補正器, テレビジョン学会誌, Vol.35, No.5, pp.413-417 (1981.5)
- 飯田一朗, 石塚満, 安田靖彦, 尾上守夫: 優先権機能を有するランダムアクセスパケット交換構内計算機網, 情報処理学会論文誌, Vol.22, No.3, pp.233-241 (1981.5)
- M. Ishizuka, K. S. Fu, and J. T. P. Yao: **Inference Procedures under Uncertainty for the Problem-Reduction Method**, Information Sciences, Vol.26, pp.179-206 (1982)
- M. Ishizuka: **An Extension of Dempster & Shafer's Theory to Fuzzy Set for Construction Expert Systems**, 生産研究, Vol.34, No.7, pp.312-315 (1982.7)
- M. Ishizuka, K. S. Fu, and J. T. P. Yao: **Rule-Based Damage Assessment System for Existing Structures**, Solid Mechanics Archives, Vol.8, pp.99-118 (1983)
- M. Ishizuka:
Inference Methods Based on Extended Dempster & Shafer's Theory for Problems with Uncertainty/Fuzziness, New Generation Computing, Vol.1, No.2, pp.159-168 (1983)
- 石塚満: 建築物被害査定のエクスパート・システム, 情報処理学会論文誌, Vol.24, No.3, pp.357-363 (1983.5)
- 坪井邦明, 石塚満, 安田靖彦, 尾上守夫: ディザ法を用いた静止画無線伝送装置, テレビジョン学会誌, Vol.37, No.5, pp.395-400 (1983.5)

- M. Ishizuka: **Another Extension of Dempster & Shafer's Theory to Fuzzy Set for Constructing Expert Systems**, 生産研究, Vol.35, No.9, pp.450-452 (1983.9)
- 坪井邦明, 沼尾雅之, 石塚満: **知識依存型システム作成のためのプロダクション・システム—SPROS**, 生産研究, Vol.35, No.11, pp.505-508 (1983.11)
- M. Ishizuka and Y. Yasuda: **Improved Coherent Detection of GMSK**, IEEE Trans. on Communications, Vol.COM-32, No.3, pp.308-311 (1984.3)
- M. Ishizuka and N. Kanai: **Prolog-ELF Incorporation Fuzzy Logic**, New Generation Computing, Vol.3, No.4, pp.479-486, Ohmsha & Springer-Verlag (1985)
- 金井直樹, 石塚満: **Prolog-Elf: ファジィ理論を組み込んだ Prolog**, 情報処理学会論文誌, Vol.27, No.4, pp.411-416 (1986.4)
- 浜利行, 石塚満: **クラス概念によるモデリングを用いた知識型3次元ビジョンシステム**, 人工知能学会誌, Vol.1, No.2, pp.219-227 (1986.12)
- 石塚満, 坪井邦明, 大串将康, 石井丈夫, 寺崎誠, 福代康夫: **植物プランクトン Dinophysis 属のパターン認識**, 画像電子学会誌, Vol.15, No.5, pp.514-520 (1986.12)
- 松田哲史, 石塚満: **仮説推論システムの拡張知識表現と概念学習機構**, 人工知能学会誌, Vol.3, No.1, pp.94-102 (1988.1)
- 阿部明典, 石塚満: **オブジェクト指向言語による協調的 LSI パターンレイアウト**, 電子情報通信学会論文誌 A, Vol.J72-A, No.8, pp.1213-1221(1989.8)
- 章 偉, 石塚満: **概略画像分割図とのマッチングをガイドとする高速画像領域分割法**, 画像電子学会誌, Vol.18, No.4, pp.224-231 (1989.8)
- 土肥浩, 石塚満: **幾何モデルに基づく3次元ビジョンシステム**, 生産研究 (小特集: 3次元像の技術と応用), Vol.41, No.11, pp.851-854 (1989.11)
- 牧野俊朗, 石塚満: **制約評価機構付き仮説推論システムとその回路ブロック設計への応用**, 人工知能学会誌, vol.5, No.5, pp.640-648 (1990.9)
- 土肥浩, 石塚満: **ソリッドモデラと幾何学的推論を組み込んだ3Dビジョンシステム**, 電子情報通信学会論文誌, Vol.J73-D-II, No.10, pp.1677-1686 (1990.10)
- Tetsushi Matsuda and Mitsuru Ishizuka: **Knowledge Acquisition Mechanisms for a Logical Knowledge Base including Hypothesis**, Knowledge-Based Systems, Vol.3, No.2, pp.77-86 (1990)
- 鶴田三郎, 石塚満: **発想的知識生成のための命題論理知識ベースのコンパイル法**, 人工知能学会誌, Vol.6, No.1, pp.117-123 (1991.1)
- 伊藤史朗, 石塚満: **推論パスネットワークによる高速仮説推論システム**, 人工知能学会誌, Vol.6, No.4, pp.501-509 (1991.7) [設立5周年記念論文賞受賞]
- 鶴田三郎, 石塚満: **発想的仮説生成のための述語論理知識ベースのコンパイル法**, 人工知能学会誌, Vol.7, No.1, pp.130-137 (1992.1)
- 阿部明典, 石塚満: **推論パスネットワーク上での類推による高速仮説推論システム**, 人工知能学会誌, Vol.7, No.1, pp.77-86 (1992.1)
- 長谷川修, 李七雨, W.ウォンワラウィパット, 石塚満: **手形状の認識に基づき実時間で反応する人物表情の動画像合成**, 計測自動制御学会論文集, Vol.28, No.11, pp.1327-1336 (1992.11)

- 石塚満、土肥浩、長谷川修、藤木真和：新しいヒューマンインタフェースへ向けての並列コンピュータ(TN-VIT)上のビジュアル・ソフトウェアエージェント、生産研究、Vol.44, No.11, pp.525-533 (1992.11)
- 岡本知樹、石塚満：整数計画法の近似解法を適用した準最適解計算の高速仮説推論法、人工知能学会誌、Vol.8, No.2, pp.222-229 (1993.3)
- 土肥浩、石塚満：小規模並列プロセッサによる擬人化エージェント動画像の実時間生成、画像電子学会誌、Vol.22, No.3, pp.240-246 (1993.5)
- H. Dohi, M. Ishizuka, S. Minoshima, and N. Shimizu: **GeneView: Multi-Language Human Gene Mapping Library with a Graphical User Interface**, Journal of Computer Applications in the Biosciences (CABIOS), Oxford Press, Vol.22, No.3, pp.240-246 (1993)
- 牧野俊朗、石塚満：経験に基づく学習による仮説推論の高速化、人工知能学会誌、Vol.8, No.3, pp.320-327 (1993.5)
- Akiko Kondo and Mitsuru Ishizuka: **Efficient Hypothetical Reasoning System for Predicate-Logic Knowledge Base**, Knowledge Based Systems, Vol.6, No.2, pp.87-94 (1993.6)
- 近藤朗子、牧野俊朗、石塚満：述語論理知識を扱う高速仮説推論システム、人工知能学会誌、Vol.8, No.6, pp.819-827 (1993.11)
- 黄英傑、石塚満、安田靖彦：セグメンテーションに基づく画像符号化方式と解像度変換への応用、画像電子学会誌、Vol.23, No.1, pp.3-10 (1994.1)
- 長谷川修、横澤一彦、石塚満：自然感の高いビジュアルヒューマンインタフェース実現のための人物画像の実時間並列協調的認識、電子情報通信学会論文誌、Vol.J77-D-II, No.1, pp.108-118 (1994.1)
- 近藤朗子、石塚満：述語論理知識を扱う仮説推論における最適解の高速推論法、人工知能学会誌、Vol.9, No.2, pp.290-298 (1994.3)
- 長谷川修、藤木真和、石塚満：指サイン認識による自然感を有する仮想金魚像との実時間インタラクション、画像電子学会誌、Vol.23, No.2, pp.86-95 (1994.4)
- 堂前宣夫、石塚満：仮説推論高速化のための知識ベースリフォーメーション、人工知能学会誌、Vol.9, No.4, pp.595-603 (1994.7)
- 大澤幸生、石塚満：仮説推論における準最適解を多項式時間で計算するネットワーク化バブル伝搬法、電子情報通信学会論文誌、Vol.J77-D-II, No.9, pp.1817-1829 (1994.9)
- Toshiro Makino and Mitsuru Ishizuka: **Speedup of Hypothetical Reasoning by Experience-based Learning**, Knowledge Based Systems, Vol.7, No.3, pp.189-198 (1994)
- 大澤幸生、石塚満：改良型ネットワーク化バブル伝播法による低次多項式時間仮説推論法、人工知能学会誌、Vol.10, No.1, pp.123-130 (1995.1)
- 土肥浩、鈴木雅之、石塚満：複数演算器の並列実行命令生成のためのバックトラック型スケジューラ、電子情報通信学会論文誌、Vol.J78-D-I, No.3, pp.402-405 (1995.3)
- 大澤幸生、石塚満：多項式時間仮説推論を達成するネットワーク化バブル伝播法の述語論理への拡張、人工知能学会誌、Vol.10, No.5, pp.731-740 (1995.9)
- Xing-Jian Xu and Mitsuru Ishizuka: **A Pipelined Data-path Synthesis Method Based on Simulated Annealing**, IEICE Trans. Fundamentals, Vol.E78-A, No.8, pp.1017-1028 (1995.8)

- Osamu Hasegawa, Chil-Woo Lee, Wiwat Wongwarawipat, and Mitsuru Ishizuka: **Real-time Synthesis of a Human Agent in response to the User's Moving Image**, Machine Vision and Applications (Springer-Verlag), Vol.8, pp.122-130 (1995)
- 河村貴弘、土肥浩、石塚満： **NURBS、逆運動学、協調的運動モデルによる自然感の高い魚の実時間CG動画像生成**、テレビジョン学会誌、Vol.49, No.10, pp.1296-1304 (1995.10)
- 高間康史、大澤幸生、石塚満： **知識の実行時リフォーメーションに基づく仮説推論の高速化手法**、人工知能学会誌、Vol.10, No.6, pp.913-920 (1995.11)
- Akiko Kondo and Mitsuru Ishizuka: **Efficient Inference Method for Computing an Optimal Solution in Predicate-logic Hypothetical Reasoning**, Knowledge-Based Systems, Vol.9, No.3, pp.163-171 (1996)
- 土肥浩、石塚満： **WWW/Mosaic と結合した自然感の高い擬人化エージェントインタフェース**、電子情報通信学会論文誌、Vol.J79-D-II, No.4, pp.585-591 (1996.4)
- 土肥浩、森川郁也、石塚満： **擬人化エージェントによるインタフェースのための実時間ユーザ追跡機構**、画像電子学会誌、Vol.25, No.2, pp.121-129 (1996.4)
- 正木寛人、斎藤逸郎、石塚満、奥乃博： **二分決定グラフの適用による三面図の効率的理解**、情報処理学会論文誌、Vol.37, No.11, pp.1969-1979 (1996.11)
- 土肥浩、二階堂信夫、石塚満： **JPEG 画像圧縮技術を用いた自然感の高い擬人化エージェント像の実時間生成**、電子情報通信学会論文誌、Vol.J80-D-II, No.1, pp.369-371 (1997.1)
- Yukio Ohsawa and Mitsuru Ishizuka: **Networked Bubble Propagation: A Polynomial-time Hypothetical Reasoning Method for Computing Near-optimal Solutions**, Artificial Intelligence, Vol.91, No.1, pp.131-154 (March 1997)
- 高間、土肥、石塚： **擬人化エージェントにおける音声対話を通じての協調的応答戦略の自動学習**、人工知能学会誌、Vol.12, No.3, pp.456-465 (1997.5)
- Ying-Jieh Huang, Hiroshi Dohi and Mitsuru Ishizuka: **Man-Machine Interaction using a Vision System with Dual Viewing Angles**, IEICE Trans. Inf. & Syst., Vol.E80-D, No.11, pp.1074-1083 (1997)
- 松尾、二田、石塚： **SL法：線形・非線形計画法の併用によるコストに基づく仮説推論の準最適解計算**、人工知能学会誌、Vol.13, No.6, pp.953-961 (1998.11)
- 高間康史、石塚満： **Fish Eye マッチング：概念体系を利用した視点抽出に基づく文書整理支援機能**、人工知能学会誌、Vol. 14, No. 1, pp. 93-101(1999.1)
- 土肥浩、石塚満： **Face-to-face 型擬人化エージェント・インタフェースの構築**、情報処理学会論文誌、Vol.40, No.2, pp.547-555 (1999.2)
- 蔡 東風(Dongfeng Cai)、石塚： **線形計画法を利用した離散制約最適化問題の効率的近似解法**、人工知能学会誌、Vol.14, No.2, pp.334-341 (1999.3)
- 棚橋一也、福田茂紀、石塚 満： **命題レベルの高速解法の利用を図るコストに基づく述語論理版仮説推論法**、人工知能学会誌、Vol. 14, No. 6, pp. 1100-1107 (1999.11)
- Lieu-Hen Chen, Santi Saeyor, Hiroshi Dohi, and Mitsuru Ishizuka: **A System of 3D Hair Style Synthesis based on the Wisp Model**, The Visual Computer, Vol.15, No.4, pp.159-170 (1999)
- Yasufumi Takama and Mitsuru Ishizuka: **Fisheye Matching: Viewpoint-sensitive Feature**

- Generation based on Concept Structure**, Knowledge Based Systems, Vol.13, No. 4, pp.199-206 (2000)
- 筒井貴之, 石塚満: キャラクターエージェント制御機能を有するマルチモーダル・プレゼンテーション記述言語MPML, 情報処理学会論文誌, Vol.41, No.4, pp.1124-1133 (2000.4)
- 斎藤逸郎, 石塚満: 制約充足問題における変数の値の重みとアーク制約要素重みの相互変換, 人工知能学会誌, Vol.15, No.3, pp.526-531 (2000.5)
- 高間康史, 石塚満: **FISH VIEW** システム: 概念体系に基づく視点情報を活用した文書整理支援, 情報処理学会論文誌, Vol.41, No.7, pp.1976-1986 (2000.7)
- 安藤晋, 石塚満, 伊庭斉志: 可変長遺伝子を用いた進化型アナログ回路, 人工知能学会誌, Vol.15., No.5, pp.844-853 (2000.9)
- Helmut Prendinger and Mitsuru Ishizuka: **Let's Talk! Socially Intelligent Agents for Language Conversation Training**, IEEE Trans. on System, Man and Cybernetics, Part A, Vol.31, Issue 5, pp.465-471 (Sep., 2001)
- 松尾豊, 石塚満: コストに基づく仮説推論の2種の連続値最適化問題への置換法とその協調による推論法, 人工知能学会論文誌, Vol.16, No.4(B), pp.400-407 (2001.9)
- Naohiro Matsumura, Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: **Discovering Emerging Topics from WWW**, Journal of Contingencies and Crisis Management, Vol.10, No.2, pp.73-81 (2002)
- Mitsuru Ishizuka and Yutaka Matsuo: **SL Method for Computing a Near-optimal Solution using Linear and Non-linear Programming in Cost-based Hypothetical Reasoning**, Knowledge-Based Systems, Vol.15, No.7, pp.369-376 (2002)
- 松尾豊, 石塚満: 語の共起の統計情報に基づく文書からのキーワード抽出アルゴリズム, 人工知能学会論文誌, Vol.17, No.3, pp.217-223 (2002.5) [人工知能学会論文賞受賞]
- 平 博司, 福島伸一, 大澤幸生, 伊庭斉志, 石塚満: **AreaView2001:WWW** からの構造化した領域総覧提示システム, 人工知能学会論文誌, Vol.17, No.3, pp.268-275 (2002.5)
- 松村真宏, 大澤幸生, 石塚満: テキストによるコミュニケーションにおける影響の普及モデル, 人工知能学会論文誌, Vol.17, No.3, pp.259-267 (2002.5)
- 松尾豊, 大澤幸生, 石塚満: **Small World** 構造に基づく文書からのキーワード抽出, 情報処理学会論文誌, Vol.43, No.6, pp.1825-1833 (2002.6)
- 松村真宏, 大澤幸生, 石塚満: 語の活性度に基づくキーワード抽出法, 人工知能学会論文誌, Vol.17, No.4, pp.398-406 (2002.7)
- 岡崎直観, Santi Saeyor, 土肥 浩, 石塚 満: マルチモーダルプレゼンテーション記述言語 MPML の 3 次元 VRML 空間への拡張, 電子情報通信学会論文誌, Vol.J85-D, No.9, pp.915-926 (2002.9) ; [Translated version] N. Okazaki, S. Saeyor, H. Dohi and M. Ishizuka: An Extention of the Multimodal Presentation Markup Language (MPML) to a Tree-dimensinal VRML Space, Systems and Computers in Japan, Vol.36, No.14, pp.69-80, Wiley Periodicals Inc. (2005)
- Helmut Prendinger, Sylvain Descamps, and Mitsuru Ishizuka: **Scripting Affective Communication with Life-like Characters in Web-based Interaction Systems**, Applied Artificial Intelligence, Vol.16, No.7-8, pp.519-553 (2002)
- 土肥浩, 石塚満: WWW と連携する擬人化エージェントとの HAI, 人工知能学会誌, Vol.17,

No.6, pp.693-700 (2002.11)

Naohiro Matsumura, Yukio Ohsawa, and Mitsuru Ishizuka: **PAI: Automatic Indexing for Extracting Asserted Keywords from a Document**, Journal of New Generation Computing, Vol.21, No.1, pp. 37-47, (2002.11)

Yutaka Matsuo, Yukio Ohsawa, and Mitsuru Ishizuka: **Average-clicks: A New Measure of Distance on the World Wide Web**, Journal of Intelligent Information Systems, Vol.20, No.1, pp. 51-62, (2003.1)

松村真宏, 大澤幸生, 石塚満: **影響の普及モデルに基づくオンラインコミュニティ参加者のプロファイリング**, 人工知能学会論文誌, Vol.18, No.4, pp.165-172 (2003.7)

松尾豊, 福田隼人, 石塚満: **ユーザ個人の閲覧履歴からのキーワード抽出によるブラウジング支援**, 人工知能学会論文誌, Vol.18, No.4, pp. 203-211 (2003.7)

Helmut Prendinger and Mitsuru Ishizuka: **Designing and Evaluating Animated Agents as Social Actors**, IEICE Transactions on Information and Systems, Vol.E86-D, No.8, pp. 1378-1385, (2003.8)

松村真宏, 加藤優, 大澤幸生, 石塚満: **議論構造の可視化による論点の発見と理解**, 日本ファジィ学会誌, Vol.15, No.5, pp.554-564 (2003.9)

Naoaki Okazaki, Yutaka Matsuo, Naohiro Matsumura, and Mitsuru Ishizuka: **Sentence Extraction by Spreading Activation through Sentence Similarity**, IEICE Transactions of Information and Systems, Vol. E86-D, No.9, pp.1686-1694 (2003.9)

Helmut Prendinger, Junichiro Mori, Santi Saeyor, Kyoshi Mori, Naoaki Okazaki, Yustinus Juli, Sonja Mayer, Hiroshi Dohi, and Mitsuru Ishizuka: **Scripting and Evaluating Affective Interactions with Embodied Conversational Agents**, KI Zeitschrift (German Journal of Artificial Intelligence), Vol.1, pp.4-10 (2004.2)

松村真宏, 三浦麻子, 柴内康文, 大澤幸生, 石塚満: **2ちゃんねるが盛り上がるダイナミズム**, 情報処理学会論文誌, Vol.45, No.3, pp. 1053-1061 (2004.3)

Yutaka Matsuo and Mitsuru Ishizuka: **Keyword Extraction from a Single Document using Word Co-occurrence Statistical Information**, Int'l Journal on Artificial Intelligence Tools, Vol.13, No.1, pp.157-169 (2004.3)

Helmut Prendinger, Sylvain Descamps, and Mitsuru Ishizuka: **MPML: A Markup Language for Controlling the Behavior of Life-like Characters**, Journal of Visual Languages and Computing, Vol.15, No.2, pp.183-203 (2004.4)

Naiwala P. Chandrasiri, Istvan Barakonyi, Takeshi Naemura, Mitsuru Ishizuka and Hiroshi Harashima: **Internet Communication Using Real-Time Facial Expression Analysis and Synthesis**, IEEE Multimedia (Special issue on Multisensory Communication and Experience through Multimedia), Vol.11, Issue 3, pp.20-29 (July-Sept. 2004)

松尾豊, 友部博教, 橋田浩一, 中島秀之, 石塚満: **Webからの人間関係ネットワークの抽出**, 人工知能学会論文誌, Vol.20, No.1, pp.46-56 (2005.1)

綾 聡平, 松尾豊, 岡崎直観, 橋田浩一, 石塚満: **修辞構造のアノテーションに基づく要約生成**, 人工知能学会論文誌, Vol.20, No.3, pp.149-158 (2005.5)

友部博教, 松尾豊, 武田英明, 安田雪, 橋田浩一, 石塚満: **Semantic Webのための人の社会ネットワーク抽出と利用**, 情報処理学会論文誌, Vol.46, No.6, pp.1470-1479 (2005.6)

- 森 純一郎, 松尾豊, 石塚満 : **Web からの人物に関するキーワード抽出**, 人工知能学会論文誌, Vol.20, No.5, pp.337-345 (2005.9)
- 浅田洋平, 松尾豊, 石塚満 : **Web からの研究者ネットワーク抽出の大規模化**, 人工知能学会論文誌, Vol.20, No.6, pp.370-378 (2005.11)
- Helmut Prendinger, Junichiro Mori, and Mitsuru Ishizuka: **Using Human Physiology to Evaluate Subtle Expressivity of a Virtual Quizmaster in a Mathematical Game**, Int'l Journal of Human-Computer Studies, Vol.62, pp.231-245 (2005)
- Helmut Prendinger and Mitsuru Ishizuka: **The Empathic Companion: A Character-based Interface that Addresses User's Affective States**, Int'l Journal of Applied Artificial Intelligence, Vol.19, No.3-4, pp.267-285 (2005)
- Helmut Prendinger and Mitsuru Ishizuka: **Human Physiology as a Basis for Designing and Evaluating Affective Communication with Life-Like Characters (Invited Paper)**, IEICE Trans. on Information and Systems (Special Section on Life-like Agent and its Communication), Vol.E88-D, No.11, pp.2453-2460 (2005.11)
- Naoaki Okazaki, Santi Saeyor, Hiroshi Dohi and Mitsuru Ishizuka: **An Extension of the Multimodal Presentation Markup Language (MPML) to a Three-dimensional VRML Space**, Systems and Computers in Japan, Vol.36, No.14, pp.69-80, Wiley Periodicals Inc. (2005)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **Combination Retrieval for Creating Knowledge from Sparse Document-Collection**, Knowledge-Based Systems Journal, Vol.18, Issue 7, pp.327-333 (2005.11)
- Mitsuru Ishizuka and Helmut Prendinger: **Describing and Generating Multimodal Contents Featuring Affective Lifelike Agents with MPML (invited paper)**, New Generation Computing, Vol.24, No.2, pp.97-128 (2006.2)
- Michael Nischt, Helmut Prendinger, Elisabeth Andre, and Mitsuru Ishizuka: **Creating Three-Dimensional Animated Characters: An Experience Report and Recommendations of Good Practice**, The European Jour. for the Informatics Professionals (UPGRADE), Vol.VII, No.2, pp.36-41 (2006.4)
- Khoo Khyou Bun and Mitsuru Ishizuka: **Emerging Topic Tracking System in WWW**, Knowledge-Based Systems, Vol.19, Issue 3, pp.164-171 (2006.7)
- Adam Jatowt and Mitsuru Ishizuka: **Temporal Multi-Page Summarization**, Web Intelligence and Agent Systems -- An Int'l Journal (IOS Press), Vol.4, No.2, pp.163-180 (2006)
- Helmut Prendinger, Christian Becker, and Mitsuru Ishizuka: **A Study in Users' Physiological Response to An Empathic Interface Agent**, Int'l Journal of Humanoid Robotics, Vol.3, No.3, pp.371-391 (2006.9)
- 金 英子, 松尾豊, 石塚満 : **Web 上の情報を用いた企業間関係の抽出**, 人工知能学会論文誌, Vol.22, No.1, pp.48-57 (2007.1)
- Helmut Prendinger, Chunling Ma and Mitsuru Ishizuka: **Eye Movements as Indices for the Utility of Life-like Interface Agents: A Pilot Study**, Interacting with Computers (Elsevier), Vol.19, Issue 2, pp.281-292 (2007.3)
- Yoshitaka Nishimura, Kazutaka Kushida, Hiroshi Dohi, Mitsuru Ishizuka, Johane Takeuchi, Mikio Nakano, Hiroshi Tsujino: **Development of Multimodal Presentation Markup Language MPML-HR for Humanoid Robots and its Psychological Evaluation**, Int'l Jour. of Humanoid Robotics, Vol.4, No.1, pp.1-20 (2007.3)

- Helmut Prendinger and Mitsuru Ishizuka: **Symmetric Multimodality Revisited: Unveiling Users' Physiological Activity**, The IEEE Transactions on Industrial Electronics, Vol.54, No.2, pp.692-698 (2007.4)
- Yutaka Matsuo, Junichiro Mori, Masahiro Hamasaki, Takuichi Nishimura, Hideaki Takeda, Koiti Hasida and Mitsuru Ishizuka: **POLYPHONET: An Advanced Social Network Extraction System from the Web**, Journal of Web Semantics, Volume 5, Issue 4, pp.262-278 (2007)
- Helmut Prendinger, Paul Piwek and Mitsuru Ishizuka: **A Novel Method for Automatically Generating Multi-modal Dialogue from Text**, Int'l Journal of Semantic Computing, Vol.1, No.3, pp. 319-334 (2007)
- 西村義隆, 石塚満, 中臺一博, 中野幹生, 辻野広司: **MFTを用いたロボットの動作中における音声認識**, 日本ロボット学会誌, Vol.25, No.8, pp.1189-1198 (2007.11)
- 金 英子, 松尾豊, 石塚満: **Web上の情報を用いた弱い社会的関係のネットワーク抽出法**, 電子情報通信学会論文誌 D, Vol.J91-D, No.3, pp.709-722 (2008.3)
- Yingzi Jin, Mitsuru Ishizuka and Yutaka Matsuo: **Extracting Inter-firm Networks from the World Wide Web using a General-purpose Search Engine**, Online Information Review, Vol.32, Issue 2, pp.196-210 (2008.5)
- 唐門準, 松尾豊, 石塚満: **リンクに基づく分類のためのネットワーク構造を用いた属性生成**, 情報処理学会論文誌, Vo.49, No.6, pp.2212-2223, (2008.6)
- Mostafa Al Masum Shaikh, Helmut Prendinger and Mitsuru Ishizuka: **Sentiment Assessment of Text by Analyzing Linguistic Features and Contextual Valence Assignment**, Applied Artificial Intelligence, Vol.22, Issue 6, pp.558-601 (2008.7)
- Yulan Yan, Yutaka Matsuo and Mitsuru Ishizuka: **A New Shallow Semantic Parser for Describing the Concept Structure of Text**, International Journal of Semantic Computing, Vol.3, No.1, pp.131-149 (2009.3)
- 古川忠延, 松尾豊, 大向一輝, 内山幸樹, 石塚満: **ブログ上での話題伝播に注目した重要語判別**, 知能と情報 (日本知能情報ファジィ学会誌), Vol.21, No.4, pp.557-566 (2009.8)
- Arturo Nakasone, Helmut Prendinger and Mitsuru Ishizuka: **ISRST: Generating Interesting Multimedia Stories on the Web**, Int'l Jour. of Applied Artificial Intelligence, Vol.23, No.7, pp 633-679 (2009.9)
- Danushka Bollegala, Naoaki Okazaki and Mitsuru Ishizuka: **A Bottom up Approach to Sentence Ordering for Multi-document Summarization**, Information Processing and Management, Vol.46, Issue 1, pp.89-109 (2010.1)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **EmoHeart: Conveying Emotions in Second Life Based on Affect Sensing from Text**, In: Advances in Human-Computer Interaction (open access journal from Hindawi Pub. Co.), Special Issue on Emotion-Aware Natural Interaction, Vol.2010, Article ID 209801, 13 pages (2010),
- Mostafa Al Masum Shaikh, Helmut Prendinger and Mitsuru Ishizuka: **Emotion Sensitive News Agent (ESNA): A system for user centric emotion sensing from the news**, Int'l Jour. of Web Intelligence and Agent Systems, Vol.8, No.4, pp.377-396 (2010)
- Hugo Hernault, Helmut Prendinger, David A. duVerle and Mitsuru Ishizuka: **HILDA: A Discourse Parser Using Support Vector Machine Classification**, Dialogue and Discourse, Vol.1, No.3, pp.1-33 (2010)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **Affect Analysis Model: A novel**

- rule-based approach to affect sensing from text**, Journal of Natural Language Engineering (Cambridge University Press), Vol.16, pp.95-135 (2010)
- Haibo Li, Yutaka Matsuo and Mitsuru Ishizuka: **Graph Based Multi-View Learning for Semantic Relation Extraction**, International Journal of Semantic Computing, Vol.4, No.3, pp.285-300 (2010)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **SentiFul: A Lexicon for Sentiment Analysis**, IEEE Trans. on Affective Computing, Vol.2, No.1, pp.22-36 (2011.1-3)
- グエン トアン ドック, ボレガラ ダヌシカ, 石塚満: **高速高精度ウェブ潜在関係検索エンジンの索引作成と関係表現手法**, 人工知能学会論文誌, Vol.26, No.2, pp.307-312 (2011.3)
- 田中翔平, 岡崎直観, 石塚満: **Wikipedia を教師データに用いた要約文書収集クエリパターンの学習**, 人工知能学会論文誌, Vol.26, No.2, pp.366-375 (2011.3)
- グエン トアン ドック, ボレガラ ダヌシカ, 石塚満: **エンティティペア間類似性を利用した潜在関係検索**, 情報処理学会論文誌, Vol.52, No.4, pp.1790-1802 (2011.4)
- Helmut Prendinger, Sebastian Ullrich, Arturo Nakasone and Mitsuru Ishizuka: **MPML3D: Scripting Agents for the 3D Internet**, IEEE Trans. on Visualization and Computer Graphics, Vol.17, No.5, pp.655-668 (2011.5)
- Danushka Bollegala, Yutaka Matsuo, and Mitsuru Ishizuka: **Automatic Discovery of Personal Name Aliases from the Web**, IEEE Trans. on Knowledge and Data Engineering (TKDE), Vol.23, No.6, pp.831-844 (2011.6)
- Danushka Bollegala, Yutaka Matsuo, and Mitsuru Ishizuka: **A Web Search Engine-based Approach to Measure Semantic Similarity between Words**, IEEE Trans. of Knowledge and Data Engineering (TKDE), Vol.23, No.7, pp.977-990 (2011.7)
- 後藤友和, グエン トアン ドック, ボレガラ ダヌシカ, 石塚満: **関係の対称性および予測語を用いた関係検索の性能向上法**, 人工知能学会論文誌, Vol.26, No.6, pp.649-656 (2011.9)
- 渡部啓吾, Danushka Bollegala, 松尾 豊, 石塚満: **検索エンジンを用いた関連語の自動抽出**, 知能と情報 (日本知能情報フレンジ学会誌), Vol.23, No.5, pp.739-748 (2011.10)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **A Supervised Classification Approach for Measuring Relational Similarity between Word Pairs**, IEICE Trans. on Information and Systems, Vol.E94-D, No.11, pp.2227-2233 (2011.11)
- Yingzi Jin, Ching-Yung Lin, Yutaka Matsuo and Mitsuru Ishizuka: **Mining Dynamic Social Networks from Public News Articles for Company Value Prediction**, Social Network Analysis and Mining (Springer Wien), Vol.2, No.1, 12 pages (2012.1)
- Xiaokan Wang, Xia Mao, Catalin-Daneil Caeanu and Mitsuru Ishizuka: **Statistical Shape Analysis for Face Movement Manifold Modeling**, SPIE Optical Engineering, Vo.51, No.037004, 8 pages (2012.3)
- Ielka van der Sluis, Saturnino Luz, Werner Breiffus, Mitsuru Ishizuka, and Helmut Prendinger: **Cross-cultural Assessment of Automatically Generated Multimodal Referring Expressions in a Virtual World**, Int'l Journal of Human - Computer Studies, Vol.70, Issue 9, pp.611-629 (2012.9; available online 2012.5)
- Andre Kenji Horie and Mitsuru Ishizuka: **Set Expansion of Contextual Semantic Relations: An Alternative Full Corpus Annotation for Supervised Classification**, Int'l Journal of Semantic

- Computing, Vo.6, No.1, pp.93-109 (2012)
- Mamdouh Farouk and Mitsuru Ishizuka: **CDL-based Semantic Representation for Dynamic Web Pages**, Int'l Journal of Semantic Computing, Vo.6, No.1, pp.51-65 (2012)
- Danushka Bollegala, Naoaki Okazaki, and Mitsuru Ishizuka: **A Preference Learning Approach to Sentence Ordering for Multi-document Summarization**, Information Sciences (Elsevier), Vol. , pp. (Online 2012.6)
- Danushka Bollegala, Yutaka Matsuo, and Mitsuru Ishizuka: **Automatic Annotation of Ambiguous Personal Names on the Web**, Computational Intelligence, Vol.28, No.3, pp.398-425 (2012.7)
- Danushka Bollegala, Yutaka Matsuo, and Mitsuru Ishizuka: **Measuring the Degree of Synonymy between Words using Relational Similarity between Word Pairs as a Proxy**, Institute of Electronics, Information and Communication Engineers (IEICE) Trans. on Information Systems, Vol.E95-D, No.8, pp.2116-2123 (2012.8)
- Nguyen Tuan Duc, Danushka Bollegala and Mitsuru Ishizuka: **Cross-Language Latent Relational Search between Japanese and English Languages Using a Web Corpus**, ACM Trans. on Asian Language Information Processing (ACM TALIP), Vol.11, Issue 3, pp.11:1-33 (2012.9)
- Mitsuru Ishizuka, Alena Neviarouskaya, and Mostafa Al Masum Shaikh: **Textual Affect Sensing and Affective Communication (invited)**, Int'l Journal of Cognitive Informatics and Natural Intelligence (IJCINI), Vol.6, No.4, pp.81-102 (2012.10)
- Danushka Bollegala, Tomokazu Goto, Nguyen Tuan Duc, and Mitsuru Ishizuka: **Improving Relational Similarity Measurement using Symmetries in Proportional Word Analogies**, Information Processing & Management (Elsevier), Vol.49, Issue 1, pp.355-369 (2013.1)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Minimally Supervised Novel Relation Extraction using Latent Relational Mapping**, IEEE Trans. on Knowledge and Data Engineering (TKDE), Vol.25, Issue2, pp.419-432 (2013.2)
- 横手健一, ボレガラ・ダヌシカ, 石塚満 : テキスト含意認識に有効な意味類似度変換及びその獲得法, 人工知能学会誌, (to appear) (2013)

<解説論文 / 記事>

- 石塚満, 安田靖彦, 尾上守夫 : ローカルネットワークとして注目される **Ethernet**, テレビジョン学会誌, Vol.34, No.5, pp.389-395 (1980.5)
- 石塚満, 坪井邦明, 尾上守夫 : **家庭用 VTR を利用するデジタル画像ファイル**, O plus E, Vol.30, pp.75-81, 新技術コミュニケーションズ(1982.5)
- M. Ishizuka: **Extension of Dempster & Shafer's Theory to Fuzzy Set for Constructing Expert Systems**, Summary of Papers on General Fuzzy Problems, No.7, pp.1-5, The Working Group on Fuzzy Systems, Tokyo (1982.6)
- 石塚満 : **エキスパートシステム, システムと制御**, Vol.26, No.10, pp.624-631, 日本自動制御協会 (1982.10)
- 石塚満 : **構文的パターン認識**, 電気通信, Vol.46, No.434, pp.51-52 (1983.2)
- 石塚満 : **ヴィタビ・アルゴリズム**, 電気通信, Vol.46, No.434, pp.53-54 (1983.2)

M. Ishizuka: **Outline of An Expert System for Damage Assessment**, Bulltine of ERS (Inst. of Ind. Sci.), No.16, pp.3-10 (1983)

石塚満 : **Dempster & Shafer の確率理論**, 電子通信学会誌, Vol.66, No.9, pp.900-903 (1983.9)

石塚満 : **不確かな知識の取り扱い**, 計測と制御 (計測自動制御学会), Vol.22, No.9, pp.774-779 (1983.9)

M. Ishizuka: **Japanese Work in Expert Systems**, Expert System, Vol.1, pp.51-56, Learned Information Ltd (1984)

石塚満 : **高度情報化社会に期待される知識工学について考えてみよう**, 省力と自動化, Vol.15, No.5, pp.45-51, オーム社 (1984.5)

石塚満 : **今なぜ AI (人工知能) なのか**, '85AI 展ガイドブック, pp.126-135, 日本経済新聞社(1985.7)

石塚満 : **日米科学セミナー「知識システムー競争を通じての協力体制を目指して」の報告**, 学術月報, Vol.38, No.9, pp.587-592, 日本学術振興会(1985.9)

石塚満 : **曖昧な知識の表現と利用**, 情報処理, Vol.26, No.12, pp.1481-1486 (1985.12)

石塚満 : **エキスパートシステムー現状と課題**, Computer Today, Vol.11, pp.4-13, サイエンス社(1986.1)

石塚満 : **書評: A Guide to Expert Systems** (D. A. Waterman 著), 情報処理, No.27, No.3, p.328, 情報処理学会 (1986.3)

石塚満 : **書評: 人工知能とは何か** (白井良明著), **機械翻訳はどこまで可能か** (長尾真著), 自然, Vol.56, No.5, pp.323-325, 岩波書店 (1986.5)

石塚満 : **知識工学と通信処理**, 電子通信学会誌, Vol.69, No.7, pp.690-695 (1986.7)

石塚満 : **AI システムの開発ツール**, 日経コンピュータ, Vol.126, pp.112-132 (1986.7)

石塚満 : **用語解説 “ワークステーション”**, 画像電子学会誌, Vol.15, No.3, p.195 (1986.8)

石塚満 : **電子黒板による講義の体験談**, 画像電子学会誌, Vol.15, No.4, p.400 (1986.10)

石塚満 : **知識システム用言語**, 電子通信学会誌, Vol.69, No.11, pp.1126-1135 (1986.11)

石塚満, 上野晴樹ほか: **パネル討論会: エキスパートシステムの課題**, 情報処理, Vol.28, No.2, pp.218-236 (1987.2)

石塚満 : **最近の AI 技術**, テレビジョン学会誌, Vol.41, No.9, pp.772-779 (1987.9)

阿部明典, 石塚満 : **LSI-CAD とオブジェクト指向言語**, Computer Today, Vol.21, pp.23-28, サイエンス社(1987.9)

石塚満 : **第 10 回国際人工知能会議(IJCAI)の報告**, 人工知能学会誌, Vol.3, No.1, pp.113-117 (1988.1)

石塚満 : **不完全な知識の操作による次世代知識ベース・システムへのアプローチ**, 人工知能学会誌, Vol.3, No.5, pp.552-562 (1988.9)

志村正道, 石塚満ほか 11 名 : **AI の現状と問題点** (座談会), 人工知能学会誌, Vo.3, No.5, pp.544-551 (1988.9)

- 石塚満：知識と推論－最近の高次人工知能機能と認識・理解，電子情報通信学会誌（認識と理解特集），Vol.71, No.11, pp.1149-1156 (1988.11)
- 石塚満：1988年度の008（非破壊評価エキスパートシステム）特別委員会活動報告，非破壊検査，Vol.38, No.6, pp.506-507，日本非破壊検査協会(1989.6)
- 石塚満：論理と空間幾何学的推論の接点となる新手法，Journal of Advanced Science, Vol.1, No.1, pp.14-16, Society of Advance Science (SAS)(1989)
- 石塚満：人間中心のメディアステーションに向けて「21世紀型社会への構図」（三菱総合研究所編），pp.340-348，ダイヤモンド社（1991.1）
- 福田収一，石塚満：008（非破壊評価エキスパートシステムと検査ロボット）特別研究委員会のあゆみ，非破壊検査，Vol.44, No.12, pp.796-798 (1992.12)
- 石塚満：人工知能の夢への接近、情報処理、Vol.32, No.1, pp.7-9 (1991.1)
- 石塚満：知識処理の観点から超並列を考える、コンピュータソフトウェア、Vol.8, No.5, pp.449-452、ソフトウェア科学会（1991.9）
- 石塚満：仮説推論、日本ファジィ学会誌、Vol.4, No.4, pp.620-630 (1992.8)
- 石塚満：メディアとAIとの融合、人工知能学会誌、Vol.8, No.6, pp.717-720 (1993.11)
- 石塚満：仮説推論の計算量と高速化メカニズム、人工知能学会誌、Vol.9, No.3, pp.342-349 (1994.5)
- 石塚満：恐竜と計算的感性論、画像電子学会誌、Vol.23, No.6, pp.696-697 (1994.12)
- 石塚満：計算的知性と計算的感性、情報処理学会・人工知能研究会報告、No. 95-A-100-10 (1995.5)
- 石塚満、原 裕貴：数理計画法とAIの推論、人工知能学会誌、Vol.12, No.2, pp.179-187 (1997.3)
- 石塚満：「人間の非論理情報をAIはどう扱うか」へのコメント、人工知能学会誌、Vol.14, No.2, (1999.3)
- 石塚満：「創造的ネットワーク化情報環境に向けて」にあたって、人工知能学会誌、Vol.14, No.6, pp.934-935 (1999.3)
- 石塚満：マルチモーダル擬人化エージェントシステム、システム/制御/情報、Vol.44, No.3, pp.128-135 (2000.3)
- 石塚満：人工知能学会誌編集委員長挨拶、人工知能学会誌、Vol.15, No.4, p.547 (2000).
- 石塚満：変化の時代の雑感、画像電子学会誌、Vol.29, No.4, pp.378-381 (2000)
- 石塚満（インタビュー）：「白井良明会長に聞く：AI, CVの過去・現在・未来」、人工知能学会誌、Vol.16, No.1, pp.162-166 (2001)
- 石塚満：映画「A.I.」をめぐる---キューブリックの「A.I.」が見たかった、人工知能学会誌、Vol.16, No.5, pp.712-715 (2001.9)
- 折原良平，石塚満：オンラインジャーナル「人工知能学会論文誌」の導入，情報の科学と

- 技術, Vol. 52, No.2, pp.88-93 (2002.2)
- S. Carberry, C. Conati, F. de Rosis, P. Gymtrasiewicz, E. Hudlicka, M. Ishizuka, Ch. Lisetti, A. Ortony, H. Prendinger, and W. Revelle: **Panel discussion on "Merging cognition and affect in HCI"**. *Applied Artificial Intelligence*, Vol.16, Nrs.7-8, pp.643-670 (2002)
- 石塚満: **会長就任挨拶**, 人工知能学会誌, Vol.19, No.4, p.407 (2004.7)
- 石塚満: **20世紀の名著名論**: E. H. Shortliffe: *Computer-Based Medical Consultations: MYCIN*, 情報処理, Vol.46, No.11, p.1298 (2005.11)
- 石塚満: **次世代 Web 基盤と海外のことなど**, 画像電子学会誌, スキャニング, Vol.35, No.4, pp.371-274 (2006.7)
- 石塚満: **次世代 Web 基盤**, Ohm Bulletin, Vol.42 夏号 (通巻 171 号), p.1 (2006.8)
- 石塚満: **自然言語テキストの共通的概念記述**, 人工知能学会誌, Vol.21, No.6, pp.691-698 (2006.11)
- 石塚満: **生命的エージェントによるインタフェース/メディア**, 情報処理, Vol.48, No.3, pp.257-263 (2007.3)
- 大沢英一, 石田亨, 石塚満, 武田英明, 寺野隆雄, 本位田真一, 横尾真: **パネル討論: エージェントの社会的インパクト**, 情報処理, Vol.48, No.3, pp.278-285 (2007.3)
- 石塚満氏インタビュー「**日本発の技術の世界へ**」(筆者: 中島悠, 数原義彦), 学生フォーラム Interview, 人工知能学会誌, Vol.23, No.2, pp.302-304 (2008.3)
- 石塚満: [随想] **1億人, 10億人, 50億人**, 画像電子学会誌, Vol.37, No.3, p.179 (2008.5)
- 石塚満, 内田裕士, 横井俊夫: **自然言語テキスト意味概念の共通的概念記述による次世代 Web 基盤**, 知能と情報 (日本知能情報ファジィ学会誌), Vol.21, No.4, pp.519-526 (2009.8)
- 石塚満: <一家一言>**グローバルスタンダード化を期待**, 日立評論, Vol.91, No.9 (特集: ネットワーク時代の高画質映像ソリューション), p.13 (2009.9)
- 石塚満: **Google の破壊的創造力の内側を垣間見る**, Japio Year Book 2010, pp.76-85 (2010.11)
- 石塚満: **ソーシャルメディア雑感**, 人工知能学会誌, Vol.26, No.6, pp.566-567 (2011.11)
- 石塚満: **インパクトある研究**, 情報処理—シニアコラム欄, Vol.54, No.5 (2013.5)

<著書・編書 / Books>

- 生駒俊明, 石塚満, 荒川泰彦: **エレクトロニクスのすすめ**, 培風館(1986)
- 上野晴樹, 石塚満 (編著): **知識の表現と利用**, オーム社(1987)
- 石塚満, 小林重信 (編著): **エキスパートシステム**, 丸善 (1991.9)
- 石塚満: **知識の表現と高速推論**, 丸善 (1996.8)
- Mitsuru Ishizuka and Abdul Sattar (eds.): **PRICAI 2002: Trends in Artificial Intelligence** (7th Pacific Rim Int'l Conf. on Artificial Intelligence, Tokyo, Proceedings), Lecture Notes in AI, LNAI 2417, Springer (2002)

石塚満 (監修), 小市直人, 堀江俊明, 豊田達也, 山本誠, 人見正嗣 (執筆): **新しい情報技術基礎**, (工業 036), オーム社 (2003)

Helmut Prendinger and Mitsuru Ishizuka (eds.): **Life-like Characters -- Tools, Affective Functions, and Applications**, Springer-Verlag (Cognitive Technologies series), (2004) (ISBN: 3-540-00856-5)

Helmut Prendinger, James Lester and Mitsuru Ishizuka (eds.): **Intelligent Virtual Agents** (Proc. Int'l Conf. IVA 2008, Tokyo), Springer LNAI 5208 (2008.9)

Patricia Anthony, Mitsuru Ishizuka and Dickson Lukose (eds.): **PRICAI 2012: Trends in Artificial Intelligence** (12th Pacific Rim Int'l Conf., Kuching, Malaysia, Proceedings), Lecture Note in AI, LNAI 7458, Springer (2012)

<書籍章分担 / Book Chapters>

石塚満: **画像の強調と復元**, 「テレビジョン画像工学ハンドブック」, 第 5 編第 3 章, オーム社 (1980)

K. S. Fu, M. Ishizuka, and J. T. P. Yao: **Application of Fuzzy Sets in Earthquake Engineering**, in “Recent Development in Fuzzy Set and Possibility Theory (R. R. Yager Ed.)”, Pergamon Press (1982)

M. Ishizuka, K. S. Fu, and J. T. P. Yao: **A Rule-Based Inference with Fuzzy Set for Structural Damage Assessment**, Approximate Reasoning in Decision Analysis (M. M. Gupta, E. Sanchez (eds.)), pp.261-268, North-Holland Pub. Co. (1982)

M. Ishizuka, M. Numao, and Y. Yasuda: **A Rule-based Interpretation of Contour Patterns with Curves**, Computer Graphics-Theory and Applications (T. L. Kunii Ed.), pp.475-482, Springer-Verlag (1983)

安田靖彦, 石塚満, 飯田一郎: **Priority Ethernet 方式**, 「ローカルエリアネットワークの構築技術とその応用 (相磯秀夫監修)」, 第 3 章第 4 節, フジ・テクノシステム(1983)

石塚満: **パデューECN**, 「ローカルエリアネットワークの構築技術とその応用 (相磯秀夫監修)」, 第 9 章第 4 節, フジ・テクノシステム(1983)

石塚満: デジタル信号処理技術講座第 5 分冊 **画像信号処理への応用**, 工学研究社 (1984.2)

石塚満: **不確実な知識の取り扱い法**, 「知識工学 (田中幸吉編著)」, 第 II 部 1.4 節, 朝倉書店(1984)

石塚満: **既存建築物の被害査定システム**, 「知識工学 (田中幸吉編著)」, 第 II 部 4.7 節, 朝倉書店(1984)

M. Ishizuka and T. Moto-oka: **Overview of Expert Systems in Japan**, Expert Systems State of the Art Report (John Fox Ed.), pp.63-69, Pergamon Infotech. Ltd. (1985)

石塚満: **あいまいな知識の表現と利用**, 「知識の表現と利用 (上野晴樹, 石塚満 (共編))」第 6 章, pp.141-184 (1987)

石塚満: **被害査定のエキスパートシステム**, 「ファジィシステム入門 (寺野, 浅居, 菅野 (編))」第 16 章, オーム社(1987)

- 石塚満：知識の表現と利用，「AI 総覧（矢田光治（監修）」第3章第3節，フジテクノシステム/エス・ディ・シー(1987)
- 石塚満：知識システムの構造，「AI 総覧（矢田光治（監修）」第3章第1節，フジテクノシステム/エス・ディ・シー(1987)
- 石塚満，松田哲史：知識の獲得と管理－仮説知識を含む知識ベースでの実例，「知識プログラミング（知識情報処理シリーズ8）（淵（監修）」，第6章，共立出版(1988)
- 石塚満：不完全な知識の操作による高次人工知能機能と知識システム，「知識情報処理ハンドブック（福村晃夫編）」，Ⅱ編3章，オーム社(1988)
- 石塚満（分担執筆）：電気通信と人工知能（電気通信技術審議会編），オーム社(1988)
- 石塚満：AI 事典：Dempster-Shafer の確率理論，ベイズ確率，確信度(CF)の項執筆，(株)エーピーユー(1988)
- 石塚満：エキスパートシステム，エキスパートシステム構築ツール，エキスパートシステムにおける知識の獲得，「情報処理ハンドブック」12編人工知能5章知識ベースシステムの5.3-5.4, pp.1074-1082, 情報処理学会（編）オーム社（発行）（1989.5）
- 石塚満：推論機構，確率的推論，「情報システムハンドブック」第Ⅲ部9章パターン認識・人工知能の中の2項目，培風館(1989.11)
- 石塚満：人工知能とエキスパートシステム，「現代数理科学事典」(囲み記事)，大阪書籍(1989)
- 石塚満：曖昧推論，「人工知能ハンドブック，人工知能学会（編）」第Ⅰ編第3章3.6，オーム社（発行）（1990.1）
- 石塚満：構造的知識の学習，発見による学習，「人工知能ハンドブック，人工知能学会（編）」第Ⅱ編第4章4.5と4.7，オーム社（発行）（1990.1）
- 石塚満（編）：知識の獲得，知識ベースの管理，「人工知能ハンドブック，人工知能学会（編）」第Ⅱ編第4章・5章，オーム社（発行）（1990.1）
- 石塚満：「岩波・情報科学辞典」D1人工知能の章主任と20項目執筆，岩波書店(1990.5)
- 石塚満：人工知能とエキスパートシステム，「現代数理科学辞典」，pp.870-871，大阪書籍(1991.3)
- 石塚満：エキスパートシステムとは，「エキスパートシステム（石塚満，小林重信（編者）」第1章，pp.1-15，丸善（1991.9）
- 石塚満：次世代エキスパートシステムへ向けて，「エキスパートシステム（石塚満，小林重信（編者）」第7章，pp.193-230，丸善（1991.9）
- 石塚満：「新版情報処理ハンドブック（情報処理学会編）」，13編「人工知能」編主任，オーム社（1995）；同13編3.8節不確実な知識の表現と推論
- 石塚満，原口誠：仮説推論と類推理論の新しい展開，知識科学の展開（大須賀、他（編））の6.2節，オーム社（1996.2）
- 石塚満：（用語解説）仮説推論，Dempster-Shafer の確率理論，「ソフトコンピューティング用語集」（坂和，馬野，大里（編）），p.186とp.207，朝倉書店(1996.5)
- 石塚満：擬人化エージェントシステム：VSA，「感性の科学」（辻三郎（編）），2-29章，サイエンス社(1997.1)

- 石塚満：「エージェントアプローチ・人工知能（古川康一（監訳）」第15章：確率的推論システム（訳），共立出版（1997.12）
- 石塚満：擬人化インタフェース，「AI事典第2版」（土屋俊，他（編）），共立出版，pp.94-95（2003.3）
- Helmut Prendinger and Mitsuru Ishizuka: **The Storification of Chances, Corporate Training with Life-like Characters in Virtual Social Environments**, In: Chance Discovery, Y. Ohsawa and P. McBurney (eds.), Advances in Information Processing Series, Springer Verlag, Berlin Heidelberg, 2003, pp. 189-207, (2003.9)
- Helmut Prendinger, Santi Saeyor, and Mitsuru Ishizuka: **MPML and SCREAM: Scripting the Bodies and Minds of Life-like Characters**, in "Life-like Characters" (see above), pp.213-242 (2004)
- Helmut Prendinger and Mitsuru Ishizuka: **Introducing the Cast for Social Computing: Life-like Characters**, in "Life-like Characters" (see above), pp.3-16 (2004)
- 石塚満，山田誠二：人工知能基礎，「人工知能学事典」（人工知能学会編），第1章，共立出版，pp.2-20（2005.12）
- 石塚満：縦型（深さ優先）探索と横型（幅優先）探索，「人工知能学事典」（人工知能学会編），1-1節，共立出版，p.21（2005.12）；山登り法，同1-1節，pp.22-23；最良優先探索とビーム探索，同1-3節，p.23；A*アルゴリズム，同1-4節，pp.24-26；反復深化，同1-5節，pp.26-27；AND/ORグラフ探索，同1-6節，pp.27-29；動的計画法，同1-13節，pp.42-44；人工知能探索問題の計算量，同1-22節，pp.55-56；チューリングテスト，同，囲み記事1-a，p.3；ダートマス会議，同，囲み記事1-b，p.4；ヒューリスティックス，同，囲み記事1-c，p.6；分枝限定法とA*アルゴリズム，同，囲み記事1-e，p.14；制約充足問題(CSP)と命題論理式の相互変換，同，囲み記事1-f，p.16
- Yutaka Matsuo, Junichiro Mori and Mitsuru Ishizuka: **Social Network Mining from the Web**, in "Data Mining Patterns -- New Methods and Applications" (P. Poncelet, M. Teisseire and F. Maseglia (Eds.)), Chapter VII, pp.149-175, Information Science Reference (2007)
- Mostafa Al Masum Shaikh, Helmut Prendinger and Mitsuru Ishizuka: **A Linguistic Interpretation of the OCC Emotion Model for Affect Sensing from Text**, in Affective Information Processing (Jianhua Tao and Tieniu Tan (eds.)), Chapter 4, pp.45-73, Springer (2008.11)
- Alena Neviarouskaya, Helmut Prendinger, and Mitsuru Ishizuka: **Recognition of Fine-grained Emotions from Text: An Approach Based on the Compositionality Principle**, in:"Modeling Machine Emotions for Realizing Intelligence: Foundations and Applications" (T. Nishida, L. Jain, and C. Faucher (eds.)), Springer (Smart Innovation, Systems and Technologies (SIST) series, Vol.1), Chapter 9, pp.179-207 (2010)
- Yingzi Jin, Yutaka Matsuo and Mitsuru Ishizuka: **Ranking Companies Based on Multiple Social Networks Mined from the Web**, in:"E-commerce" (Kyeong Kang (Ed.)), INTECH, Chapter 6, pp.75-98 (2010)
- Helmut Prendinger and Mitsuru Ishizuka: **Virtual Interface Agents that Adapt to User Emotion and Interest**, In: The Routledge Handbook of Emotions and the Mass Media (K. Dovelung, C. von Scheve, E. Konijn (Eds)), Routledge, Chapter 22, pp 388-405 (2010)
- Mostafa Al Masum Shaikh, Keikichi Hirose and Mitsuru Ishizuka: **Recognition of Real-World Activities from Environmental Sound Cues to Create Life-Log**, in "The Systemic Dimension of Globalization (Piotr Pachura(Ed.))", Chapter 9, pp.173-190, INTECH (2011.8)
- Danushka Bollegala, Naoaki Okazaki, and Mitsuru Ishizuka: **A Bottom-Up Approach to Sentence**

Ordering for Multi-Document Summarization, in Multi-source, Multilingual Information Extraction and Summarization (T. Poibeau, H. Saggion, J. Piskorski, R. Yangarber (Eds.)), Springer, Chapter 12, pp.253-276 (2012)

<International Conference Papers>

- M. Onoe, M. Ishizuka and K. Tsuboi: **Real-time Shading Corrector for Television Camera Using Microprocessor**, Japan-U.S. Seminar on Research Towards Real-time Parallel Image Analysis and Recognition, Tokyo (1978.11)
- I. Iida, M. Ishizuka, Y. Yasuda, and M. Onoe: **Random Access Packet Switched Local Computer Network with Priority Function**, Proc. National Telecommunication Conference, Houston, No.37.4 (1980.12)
- M. Ishizuka, K. S. Fu, and J. T. P. Yao: **Inexact Inference for Rule-based Damage Assessment of Existing Structures**, Proc. 7th International Joint Conference on Artificial Intelligence (IJCAI-81), Vancouver, pp.837-842 (1981.8)
- J. T. P. Yao, M. Ishizuka, and K. S. Fu: **Fuzzy Statistics and its Potential Application in Civil Engineering**, American Society of Civil Engineers' Convention, St. Louis, Preprint 81-501 (1981.10)
- M. Ishizuka, K. S. Fu, and J. T. P. Yao: **A Rule-Inference Method for Damage Assessment**, American Society of Civil Engineers' Convention, St. Louis, Preprint 81-502 (1981.10)
- M. Ishizuka, K. S. Fu, and J. T. P. Yao: **SPERIL: An Expert System for Damage Assessment of Existing Structures**, Proc. 6th Int'l Conf. on Pattern Recognition, Munich (1982.10)
- M. Ishizuka:
Extension of Dempster & Shafer's Theory to Fuzzy Set for Constructing Expert Systems, Summary of Papers on General Fuzzy Problems, No.7, pp.1-5, The Working Group on Fuzzy Systems, Tokyo (1982.6)
- M. Ishizuka, K. S. Fu, and J. T. P. Yao: **A Decision Support System Using Uncertain and Fuzzy Information**, Int'l Workshop on Advanced Automation, Taipei (1982.7)
- M. Ishizuka, K. S. Fu, and J. T. P. Yao: **Computer-Based Systems for the Assessment of Structural Damage**, Proc. 2nd IABSE Colloquium on Informatics in Structural Engineering, Bergamo, Italy (1982.10)
- M. Ishizuka, M. Numao, and Y. Yasuda: **A Rule-based Interpretation of Contour Patterns with Curves**, Inter Graphics '83, Tokyo, No.B8-2 (1983.4)
- K. Takagi, K. Higaki, M. Ishizuka, and Y. Yasuda: **Narrow Band Digital Modulation Scheme for Land Mobile Communication**, Proc. 2nd Int'l Conf. on Radio Spectrum Conservation Techniques, Birmingham (1983.9)
- M. Ishizuka: **Knowledge-Based Approach for Object Identification**, Int'l Symposium on Image Processing and its Applications, Tokyo (1984.1)
- K. Tsuboi and M. Ishizuka: **Melody Analysis of Japanese Folk Songs Based on Production System**, Proc. 7th Int'l Conf. on Pattern Recognition, Montreal, pp.714-716 (1984.7)
- M. Numao and M. Ishizuka: **A Frame-Like Knowledge Representation System for Computer Vision**, Proc. 7th Int'l Conf. on Pattern Recognition, Montreal, pp.1128-1130 (1984.7)

- M. Ishizuka: **Specific Goals for Next Five Years and Ten Years for Knowledge Systems**, US-Japan Seminar on Knowledge Systems (1985.6)
- M. Ishizuka and N. Kanai: **Prolog-ELF Incorporating Fuzzy Logic**, Proc. 9th Int'l Joint Conf. on Artificial Intelligence (IJCAI-85), pp.701-703, Los Angeles (1985)
- M. Ishizuka, K. Tsuboi, M. Ohgushi, T. Ishii, M. Terasaki, and Y. Fukuyo: **Pattern Recognition of Dinophysis of Oceanic Phytoplankton**, Proc. 8th Int'l Conf. on Pattern Recognition, Paris, pp.540-542 (1986)
- K. Brunnstrom and M. Ishizuka: **Target-Directed Understanding of 3D Objects in a Knowledge-based Vision System**, Proc. 5th Scandinavian Conf. of Image Analysis, Stockholm (1987.7)
- M. Ishizuka: **Knowledge-based 3D Vision System Using a Modeling with Class Concept**, Proc. AI 87 Japan (Int'l Conf. & Exhibition on Artificial Intelligence), Osaka, pp.370-385 (1987.10)
- K. Brunnstrom, M. Ishizuka, and T. Hama: **Knowledge-based 3D Vision System using a Modeling with Class Concept**, Proc. IEEE Int'l Workshop on Industrial Application on Machine Vision and Machine Intelligence, Tokyo, pp.138-143 (1987)
- M. Ishizuka: **A Next Generation Knowledge-Base from the Viewpoint of Extending Logic Framework**, Proc. the Int'l Conf. on 5th Generation Computer Systems (FGCS'88), Vol.3, pp.1246-1249 (1988.11)
- H. Dohi and M. Ishizuka: **A Design of a 3-D Vision System based on Geometric Knowledge**, Proc. Int'l Workshop on Industrial Applications of Machine Intelligence and Vision (MIV-89), Tokyo, pp.217-222 (1989.4)
- M. Ishizuka and T. Matsuda: **Knowledge Assimilation & Management Mechanism for Frame Knowledge-base including Hypothesis Knowledge**, Workshop on Theoretical Foundation for Knowledge Information Processing (TFKIP), Prague (1989.6)
- Wiwat Wongwarawipat and Mitsuru Ishizuka: **A Visual Interface for Transputer Network (VIT) and its Application to Moving Image Analysis**, in Transputer/Occam Japan 3 (T.L.Kunii, D.May(eds.)), IOS Press, pp.65-76 (1990.5)
- Hiroshi Dohi and Mitsuru Ishizuka: **A 3-D Vision System incorporating Solid Modeler and Geometric Reasoning**, Proc.10th Int'l Conf. on Pattern Recognition (ICPR), IEEE Computer Society, Atlantic City, New Jersey, pp.185-187 (1990.6)
- Mitsuru Ishizuka: **Fast Hypothetical Reasoning System as an Advanced Knowledge-Base Framework (Invited Talk)**, 3rd Int'l Sympo. on Artificial Intelligence, Monterrey, Mexico (1990.10)
- Mitsuru Ishizuka: **Knowledge and Inference**, Tutorial Texts for Info Japan'90, Information Proc. Soc. of Japan, pp.79-141 (1990.10)
- Mitsuru Ishizuka: **A Framework of Incorporating Advanced AI Functions in Next-generation Knowledge Systems**, Proc. Pacific Rim Int'l Conf. on Artificial Intelligence (PRICAI'90), Nagoya, pp.923-924 (1990.11)
- Toshiro Makino and Mitsuru Ishizuka: **A Hypothetical Reasoning System with Constraint Handling Mechanism and its Application to Circuit-Block Synthesis**, Proc. Pacific Rim Int'l Conf. on Artificial Intelligence (PRICAI'90), Nagoya, pp.122-127 (1990.11)

- Wiwat Wongwarawipat, Chil-Woo Lee, Osamu Hasegawa, Hiroshi Dohi, and Mitsuru Ishizuka: **Visual Software Agent Built on Transputer Network with Visual Interface**, Transputing'91 (Proc. Int'l Conf. on Transputing), Sunnyvale, California, pp.813-827 (1991.4)
- Mitsuru Ishizuka, Osamu Hasegawa, Wiwat Wongwarawipat, Chil-Woo Lee, and Hiroshi Dohi: **Visual Software Agent (VSA) built on Transputer Network with Visual Interface (TN-VIT)**, Proc. Computer World'91, Osaka, pp.36-46 (1991.9)
- Chil-Woo Lee, Osamu Hasegawa, Hiroshi Dohi, and Mitsuru Ishizuka: **Motion Understanding of a Nonrigid Object using Deformable 3-D Model and Constraints**, Proc. 1991 Int'l Conf. on Electronics, Information and Communication (ICEIC'91), China, pp.334-337 (1991.8)
- H.S. Oh, C.W. Lee, and M. Ishizuka: **Active Image Recognition for Robot Navigation Control**, Proc. 1991 Int'l Conf. on Electronics, Information and Communication (ICEIC'91), China, pp.330-333 (1991.8)
- Osamu Hasegawa, Wiwat Wongwarawipat, Chil-Woo Lee, and Mitsuru Ishizuka: **Real-time Moving Human Face Synthesis using a Parallel Computer Network**, Proc. Int'l Conf. on Industrial Electronics, Control and Instrumentation (IECON'91), IEEE Industrial Elec. Soc., Kobe, pp.1380-1385 (1991.9) {**Best Paper Award of IECON'91**}
- H.S. Oh, C.W. Lee, and M. Ishizuka: **Navigation Control of a Mobile Robot Based on Active Vision**, Proc. Int'l Conf. on Industrial Electronics, Control and Instrumentation (IECON'91), IEEE Industrial Elec. Soc., Kobe, pp.1122-1126 (1991.9)
- H.S. Oh, C.W. Lee, and M. Ishizuka: **Surface Estimation by Active Vision of Optical Flow and Camera Vergence**, Proc. ICCIM'91, Singapore (1991.10)
- Chil-Woo Lee and Mitsuru Ishizuka: **An Extended Bone-Structured Solid Modeler Incorporating Discrete Active Contour**, Proc. First Korea-Japan Joint Conf. on Computer Vision, Seoul, pp.358-363 (1991.10)
- Akiko Kondo, Toshiro Makino and Mitsuru Ishizuka: **An Efficient Hypothetical Reasoning System for Predicate-logic Knowledge-base**, Proc. Int'l Conf. on Tools for AI (TAI'91), San Jose, pp.360-367 (1991.11)
- Mitsuru Ishizuka and Fumiaki Ito: **Fast Hypothetical Reasoning System using Inference-Path Network**, Proc. Int'l Conf. on Tools for AI (TAI'91), San Jose, pp.352-359 (1991.11)
- Osamu Hasegawa, Chil-Woo Lee, Wiwat Wongwarawipat, and Mitsuru Ishizuka: **A Realtime Visual Interactive System between Finger Signs and Synthesized Human Facial Images employing a Transputer-based Parallel Computer**, Visual Computing (T.L.Kunii(ed.)), Springer-Verlag, pp.77-94 (1992)
- Osamu Hasegawa, Chil-Woo Lee, Wiwat Wongwarawipat, and Mitsuru Ishizuka: **Realtime Synthesis of Moving Human-like Agent in Response to User's Moving Image**, Proc. 11th Int'l Conf. on Pattern Recognition (ICPR'92), Hague, Vol.IV, pp.39-42 (1992.9)
- Masakazu Fujiki, Osamu Hasegawa, Chil-Woo Lee, Wiwat Wongwarawipat, and Mitsuru Ishizuka: **A Prototype of Goldfish Software Robot with Real-time Response Function by a Parallel Computer**, Proc. IEEE Int'l Workshop on Robot and Human Communications (RO-MAN'92), Tokyo, pp.323-328 (1992.9)
- Xing-Jieh Xu and Mitsuru Ishizuka: **An Efficient Data-Path Synthesis based on Algorithmic Description under Constraints of Time and Area**, Proc. IFIP Conf. on Hardware Description Language and their Applications, Ottawa, pp.119-126 (1993)

- Hiroshi Dohi and Mitsuru Ishizuka: **Realtime Synthesis of Super-Realistic Moving Goldfish using Small-Scale Parallel Transputers**, Communicating with Virtual Worlds (Proc. CGI'93, Switzerland) (N.M.Thalmann, D.Thalmann(eds.)), Springer-Verlag, pp.462-472 (1993)
- Hiroshi Dohi and Mitsuru Ishizuka: **Realtime Synthesis of a Realistic Anthropomorphic Agent toward Advanced Human-Computer Interaction**, Human-Computer Interaction-Software and Hardware Interfaces (Proc. HCI'93, Florida), (G.Salvendy, M.J.Smith(eds.)), Elsevier, pp.152-157 (1993)
- Osamu Hasegawa, Kazuhiko Yokosawa, Masakazu Fujiki and Mitsuru Ishizuka: **Realtime Facial Image Recognition in Unconstrained Environment for Interactive Visual Interface**, Proc. Asian Conf. on Computer Vision, Osaka, pp.763-766 (1993)
- Saburo Tsuruta and Mitsuru Ishizuka: **Basic Research on the Application of Hypothesis-based Reasoning System to Collision Avoidance**, Proc. 10th Ship Control System Symposium, Ottawa (1993)
- Mitsuru Ishizuka and Akinori Abe: **Fast Hypothetical Reasoning Using Analogy on Inference-path Networks**, Proc. IEEE Int'l Conf. on Tools with Artificial Intelligence (TAI'93), Boston, pp.232-239 (1993.11)
- Yukio Ohsawa and Mitsuru Ishizuka: **Networked Bubble Propagation Method as a Polynomial-time Hypothetical Reasoning for Computing Quasi-optimal Solution**, Proc. IEEE Int'l Conf. on Tools with Artificial Intelligence (TAI'93), Boston, pp.184-187 (1993.11)
- Osamu Hasegawa, Kazuhiko Yokosawa and Mitsuru Ishizuka: **Real-time Parallel and Cooperative Recognition of Facial Images for an Interactive Visual Human Interface**, Proc. 12th Int'l Conf. on Pattern Recognition, Israel, Vol.III, pp.384-387 (1994)
- Yoshitaka Hiramoto, Hiroshi Dohi and Mitsuru Ishizuka: **A Speech Dialogue Management System for Human Interface employing Visual Anthropomorphic Agent**, Proc. 3rd IEEE Int'l Workshop on Robot and Human Communication (RO-MAN'94), Nagoya, pp.277-282 (1994)
- Mitsuru Ishizuka and Tomoki Okamoto: **A Polynomial-time Hypothetical Reasoning employing an Approximate Solution Method of 0-1 Integer Programming for Computing Near-optimal Solution**, Proc. 10th Canadian Conf. on Artificial Intelligence, Banff, pp.179-186 (1994)
- Yasuyuki Yamauchi, Hiroshi Dohi and Mitsuru Ishizuka: **A Visual Software Robot with Autonomous Distributed Behavior Model Implemented on a Transputer-based Parallel Computer**, Transputer/occam Japan 6 (S.Noguchi, M.Ishizuka, M.Ohta (eds.)) (Proc. 6th Transputer/occam Int'l Conf.), IOP Press, pp.288-299 (1994)
- Masashi Mori, Hiroshi Dohi and Mitsuru Ishizuka: **A Multi-purpose Dialogue Management System employing Visual Anthropomorphic Agent**, Proc. 4th IEEE Int'l Workshop on Robot and Human Communications (RO-MAN'95), Tokyo, pp.187-192 (1995)
- Ying-Jieh Huang, Hiroshi Dohi and Mitsuru Ishizuka: **A Realtime Visual Tracking System with Two Cameras for Feature Recognition of Moving Human Face**, Proc. 4th IEEE Int'l Workshop on Robot and Human Communications (RO-MAN'95), Tokyo, pp.170-175 (1995)
- Edson Satoshi Gomi, Yutaka Saida, and Mitsuru Ishizuka: **The Effect of Example Depth on Induction of Recursive Programs**, Proc. ICLP'95 Workshop on Inductive Logic Programming, Hayama, pp.72-75 (1995)
- Takahiro Kawamura, Hiroshi Dohi, and Mitsuru Ishizuka: **Realtime CG Animation of Realistic Fishes using, NURBS, Inverse Kinematics and a Co-operative Motion Model**, Proc. Int'l Conf. on Virtual Systems and Multimedia (VSMM'95), Gifu, pp.260-265 (1995)

- Hiroshi Dohi and Mitsuru Ishizuka: **A Visual Software Agent connected with the WWW/Mosaic**, Proc. Multimedia Japan'96 (MMJ'96), Yokohama, pp.392-397 (1996.3)
- Yukio Ohsawa and Mitsuru Ishizuka: **A Polynomial-time Predicate-Logic Hypothetical Reasoning by Networked Bubble Propagation Method**, Proc. 11th Canadian Conf. on AI, Toronto, pp.375-378 (1996)
- Hiroshi Dohi and Mitsuru Ishizuka: **A Visual Software Agent: An Internet-Based Interface Agent with Rocking Realistic Face and Speech Dialog Function**, Working Notes of AAAI-96 Workshop on Internet-Based Information Systems, pp.35-40 (1996)
- Ying-Jieh Huang, Hiroshi Dohi and Mitsuru Ishizuka: **A Vision System with Dual Viewing Angles for Spontaneous Speech Dialogue Environment**, Proc. IAPR Int'l Workshop on Machine Vision Applications (MVA'96), Tokyo, pp.229-232 (1996)
- Santi Saeyor, Hiroshi Dohi and Mitsuru Ishizuka: **NURBS-based Facial Expression Modeling for Anthropomorphic Interface Agent**, Proc. IEEE Int'l Workshop on Robot and Human Communications (RO-MAN'96), Tsukuba, pp.395-400 (1996)
- Hiroshi Dohi and Mitsuru Ishizuka: **Visual Software Interface with Realistic Face and Voice-controlled Netscape**, Proc. Int'l Conf. on Computational Intelligence and Multimedia Applications (ICCIMA'97), pp.225-229, Gold Coast, Australia (1997)
- K. Nitta, O. Hasegawa, T. Akiba, M. Ishizuka, H. Dohi and M. Okumura: **An Experimental Multimodal Disputation System**, Proc. IJCAI-97 Workshop on Intelligent Multimodal Systems, pp.23-28, Nagoya (1997.8)
- Hiroshi Dohi and Mitsuru Ishizuka: **Visual Software Agent: A Realistic Face-to-Face Style Interface connected with WWW/Netscape**, Proc. IJCAI-97 Workshop on Intelligent Multimodal Systems, pp.17-22, Nagoya (1997.8)
- Yasufumi Takama, Hiroshi Dohi and Mitsuru Ishizuka: **A Visual Anthropomorphic Agent with Learning Capability of Cooperative Answering Strategy through Speech Dialog**, Proc. Asia Pacific Computer Human Interaction (APCHI'98), pp.260-265, Japan (1998)
- Helmut Prendinger and Mitsuru Ishizuka: **ASA, a Prolog-Based Anytime Planning System**, Proc. INAP-98 (11th Int'l Conf. on Applications of Prolog), Tokyo, pp.144-149 (1998)
- Mitsuru Ishizuka and Hiroshi Dohi: **Multimodal Anthropomorphic Agent Connected with WWW Information Space**, Proc. (CD-ROM) 9th NEC Research Sympo. on Human-centric Multimedia Community, Nara (1998.8)
- Mitsuru Ishizuka and Yutaka Matsuo: **SL Method for Computing a Near-optimal Solution using Linear and Non-linear Programming in Cost-based Hypothetical Reasoning**, PRICAI'98: Topics in Artificial Intelligence (Proc. PRICAI'98), (H.Y.Lee and H.Motoda (eds.)), pp.611-625, Springer (Lecture Notes in AI 1531), Singapore (1998)
- Santi Saeyor and Mitsuru Ishizuka: **WebBeholder: A Revolution in Tracking and Viewing Changes on The Web by Agent Community**, Proc. (CD-ROM) WebNet98 (3rd World Conf. on WWW and Internet), Orlando, Florida, USA (1998.11)
- Helmut Prendinger and Mitsuru Ishizuka: **Preparing a First-Order Knowledge Base for Fast Inference**, Proc. 12th Int'l Florida AI Research Society Conf. (FLAIRS-99), pp.208-212, Orlando, Florida (1999.5)

- Helmut Prendinger and Mitsuru Ishizuka: **First-Order Diagnosis by Propositional Reasoning: A Representation-Based Approach**, Proc. 10th Int'l Workshop on Principles of Diagnosis (DX'99), pp.220-225, Loch Awe, Scotland (1999.6)
- Mitsuru Ishizuka, Kazuya Tanahashi and Helmut Prendinger: **A Predicate-logic Version Method for Cost-based Hypothetical Reasoning employing an Efficient Propositional-level Reasoning Mechanism**, Proc. 6th Bar-Ilan Sympo. on the Foundation of AI (BISFAI-99), Tel Aviv, Israel (1999.6)
- Santi Saeyor and Mitsuru Ishizuka: **Multi-modal Presentation of Changes in Web Repositories**, Proc.(CD-ROM) ED-MEDIA99, World Conf. on Educational Multimedia, Hypermedia & Telecommunications, Seattle, Washington, USA (1999.6)
- Helmut Prendinger and Mitsuru Ishizuka: **Qualifying the Expressivity/Efficiency Tradeoff: Reformation-Based Diagnosis**, Proc. 16th National Conf. on Artificial Intelligence (AAAI-99), pp.416-421, Orlando, Florida (1999.7)
- Santi Saeyor and Mitsuru Ishizuka: **Formation of Cooperative Behavior among Information Agents in Web Repository Change Monitoring Service**, Proc. 3rd Int'l Workshop on Cooperative Information Agents (CIA-99), pp.101-112, Uppsala, Sweden (1999.7)
- Santi Saeyor and Mitsuru Ishizuka: **Adaptive Service to Monitor Changes in Web Repositories Based on Game Analysis**, Proc. 3rd World Multiconference on Systems, Cybernetic and Information and 5th Int'l Conf. on Information Systems Analysis and Synthesis (SCI/ISAS'99), pp.254-260, Vol. V, Orlando, Florida, USA (1999.7)
- Hiroshi Dohi and Mitsuru Ishizuka: **Visual Software Agent Interface with a User-tracking Flat Panel Display for Continuous Eye Contact**, Proc. 3rd World Multiconference on Systems, Cybernetic and Information and 5th Int'l Conf. on Information Systems Analysis and Synthesis (SCI/ISAS'99), Vol. II, pp.242-247, Orlando, Florida, USA (1999.7)
- Santi Saeyor and Mitsuru Ishizuka: **Cooperative Matchmaking of Requests Among Distributed Change Monitoring Service Agents**, Proc. of 1999 IEEE Pacific Rim Conf. on Communications, Computer and Signal Processing (PACRIM'99), Univ. of Victoria, Victoria, B.C., Canada (1999.8)
- Helmut Prendinger and Mitsuru Ishizuka: **Boosting the Correspondence Between Abduction and Learning**, Volume of Abstracts of the 11th Int'l Congress of Logic, Methodology and Philosophy of Science, p.137, Cracow, Poland (1999)
- Santi Saeyor and Mitsuru Ishizuka: **Adaptive Changes Monitoring Service in Web Repositories Based on Agent Games**, Proc. (CD-ROM) WebNet99 (4th World Conf. on WWW and Internet), Hawaii, USA (1999.10)
- Yasufumi Takama and Mitsuru Ishizuka: **Fisheye Matching: Viewpoint-Sensitive Feature Generation Based on Concept Structure**, AI'99 (Lecture Notes in Artificial Intelligence 1747), pp.465-466, Springer (1999)
- Santi Saeyor and Mitsuru Ishizuka: **Resource Management for WWW Change Monitoring Service Prototype based on Cooperative Agent Community**, Proc. of the 14th Int'l Conf. on Information Networking (ICOIN14), National Tsing-Hua University, Hsingchu, Taiwan, R.O.C. (2000.1)
- Helmut Prendinger, Mitsuru Ishizuka, and Gerhard Schurz: **Knowledge Base Reformation: Preparing First-order Theories for Efficient Propositional Reasoning**, Int'l Journal of Pattern Recognition and Artificial Intelligence, Vol.14, No.1, pp.35-58 (2000)

- Yuan Zong, Hiroshi Dohi and Mitsuru Ishizuka: **Emotion Expression Function attached to Multimodal Markup Language MPML**, Proc. Agents2000 Workshop 7 on Achieving Human-like Behavior in Interactive Animated Agents, pp.119-123, Barcelona, Spain (2000.6)
- Mitsuru Ishizuka, Takayuki Tsutsui, Santi Saeyor, Hiroshi Dohi, Yuan Zong and Helmut Prendinger: **MPML: A Multimodal Presentation Markup Language with Character Agent Control Functions**, Proc. Agents2000 Workshop 7 on Achieving Human-like Behavior in Interactive Animated Agents, pp.51-54, Barcelona, Spain (2000.6)
- Yutaka Matsuo and Mitsuru Ishizuka: **Fast Hypothetical Reasoning by Parallel Processing**, Working Notes of AAI-2000 Workshop on Leveraging Probability and Uncertainty in Computation, pp.37-46, Austin, Texas (2000.7)
- Yutaka Matsuo and Mitsuru Ishizuka: **Fast Hypothetical Reasoning by Parallel Processing**, PRICAI2000 Topics in Artificial Intelligence (Proc. 6th Pacific Rim Int'l Conf. on AI, Melbourne) (R. Mizoguchi, J. Slaney (Eds.)), Lecture Notes in AI 1886, p.790, Springer (2000.8)
- Helmut Prendinger, Mitsuru Ishizuka and Tetsu Yamamoto: **The Hyper System: Knowledge Reformation for Efficient First-order Hypothetical Reasoning**, PRICAI2000 Topics in Artificial Intelligence (Proc. 6th Pacific Rim Int'l Conf. on AI, Melbourne) (R. Mizoguchi, J. Slaney (Eds.)), Lecture Notes in AI 1886, pp.93-103, Springer (2000.8) {**Best Paper Award of PRICAI2000**}
- Naohiro Matsumura, Yutaka Ohsawa and Mitsuru Ishizuka: **Discovering Promising New Topics on the WWW**, Proc. IEEE Knowledge-Based Intelligent Engineering Systems & Applied Technologies(KES2000), pp. 804-807, UK (2000.9)
- Yuan Zong, Hiroshi Dohi and Mitsuru Ishizuka: **Multimodal Presentation Markup Language supporting Emotion Expression**, Proc.(CD-ROM) Workshop on Multimedia Computing on the World Wide Web (MCWWW2000), Seattle (2000.9)
- Yuan Zong, Hiroshi Dohi, Helmut Prendinger and Mitsuru Ishizuka: **Emotion Expression Function in Multimodal Presentation**, Advances in Multimodal Interfaces--ICMI2000 (Proc. 3rd Int'l Conf. on Multimodal Interfaces, Beijing, China) (T. Tan, Y Shi and W. Gao (Eds.)), Lecture Notes in Computer Science 1948, pp.57-64, Springer (2000.10)
- Santi Saeyor and Mitsuru Ishizuka: **WebBeholder: A Source of Community Interests and Trends based on Cooperative Change Monitoring Service on the Web**, Proc. 2000 IEEE Int'l Conf. on Industrial Electronics, Control and Instrumentation (IECON-2000), pp.1656-1661, Nagoya (2000.10)
- Helmut Prendinger and Mitsuru Ishizuka: **Methodological Consideration on Chance Discovery**, Proc. 2000 IEEE Int'l Conf. on Industrial Electronics, Control and Instrumentation (IECON-2000), pp.1652-1655, Nagoya (2000.10)
- Takayuki Tsutsui, Santi Saeyor and Mitsuru Ishizuka: **MPML: A Multimodal Presentation Markup Language with Character Agent Control Functions**, Proc.(CD-ROM) WebNet 2000 World Conf. on the WWW and Internet, San Antonio, Texas, USA, (2000.10.30-11.4)
- Yuan Zong, Hiroshi Dohi and Mitsuru Ishizuka: **Multimodal Presentation Markup Language MPML with Emotion Expression Functions Attached**, Proc. 2000 Int'l Sympo. on Multimedia Software Engineering (IEEE Computer Soc.), pp.359-365, Taipei, Taiwan (2000.12)
- Helmut Prendinger and Mitsuru Ishizuka: **Carrying the Role-Playing Metaphor to Interactive Learning Environments**, On-line Proc. Int'l Conf. on Intelligent User Interfaces (IUI-2001), Santa Fe, New Mexico, USA (2001.1)
- Sylvain Descamps and Mitsuru Ishizuka: **Bringing Affective Behavior to Presentation Agents**,

- Proc. 3rd Int'l Workshop on Multimedia Network Systems (MNS2001) (IEEE Computer Soc.), pp.332-336, Mesa, Arizona, (2001.4)
- Yutaka Osawa, Naohiro Matsumura and Mitsuru Ishizuka: **Discovering Topics to Enhance Communities's Creation from Links to the Future**, On-line Proc. of WWW10 (10th Int'l World Wide Web Conf.), Poster No.1054, Hong Kong (2001.5)
- Helmut Prendinger and Mitsuru Ishizuka: **Communicative Behavior of Socially Situated Agents**, Workshop Proc. on Multimodal Communication and Context in Embodied Agents (C. Pelachaud and I. Poggi (Eds.)), in conj. with Agents-01, pp.41-46, Montreal, Canada (2001.5)
- Helmut Prendinger and Mitsuru Ishizuka: **Social Role Awareness in Animated Agents**, Proc. 5th Int'l Conf. on Autonomous Agents (Agents-01), pp.270-277, Montreal, Canada (2001.5)
- Sylvain Descamps, Helmut Prendinger and Mitsuru Ishizuka: **A Multimodal Presentation Mark-up Language for Enhanced Affective Presentation, Advances in Education Technologies**, Multimedia, WWW and Distant Education (Proc. Int'l Conf. on Intelligent Multimedia and Distant Learning (ICIMADE-01), Fargo, North Dakota, USA), pp.9-16, (2001.6)
- Khoo Khyou Bun and Mitsuru Ishizuka: **Emerging Topic Tracking System**, Proc. 3rd Int'l Workshop on Advanced Issues of E-Commerce and Web-Based Information Systems (WECWIS-2001) (IEEE Computer Soc.), pp.2-11, San Jose, California, USA. (2001.6)
- Helmut Prendinger, Santi Saeyor, and Mitsuru Ishizuka: **Animated Agents for Language Conversation Training**, CD-Rom Proc. World Conf. on Educational Multimedia, Hypermedia & Telecommunications (ED-MEDIA 2001), pp.1514-1515, Tampere, Finland (2001.6)
- He Binda, Santi Saeyor, Helmut Prendinger, and Mitsuru Ishizuka: **A Scripting Language for Multi-Character Presentation Agent based on Multimodal Presentation Markup Language**, Demo session in World Conference on Educational Multimedia, Hypermedia & Telecommunications (ED-MEDIA 2001), Tampere, Finland (2001.6)
- Santi Saeyor, He Binda, and Mitsuru Ishizuka: **Visual Authoring Tool for Presentation Agent Based on Multimodal Presentation Markup Language**, Proc. Information Visualization (IV2001), pp. 563-567, London, England (2001.7)
- Naohiro Matsumura, Yukio Ohsawa, Mitsuru Ishizuka: **Future Directions of Communities on the Web**, Proc. the World Multi-Conference on Systemics, Cybernetics and Informatics(SCI2001), Invited session on Chance Discovery, Vol. 8, pp. 406-409, Orland, Florida, USA, July 22-25 (2001), [**Best Paper Award**]
- Helmut Prendinger and Mitsuru Ishizuka: **Some Methodological Considerations on Chance Discovery. Proc. the World Multi-Conference on Systemics, Cybernetics and Informatics(SCI2001)**, Invited session on Chance Discovery, Vol. 8, pp.425-428, Orland, Florida, USA (2001.7)
- Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: **Document as a Small World**, Proc. the World Multi-Conference on Systemics, Cybernetics and Informatics(SCI2001), Invited session on Chance Discovery, Vol.8, pp.400-404, Orlando, Florida, USA (2001.7)
- Helmut Prendinger and Mitsuru Ishizuka: **Affective and Social Behavior in Animated Agents (Invited Paper)**, CD-Rom Proc. 9th IFSA World Congress and 20th NAFIPS Int'l Conf., Session on Kansei Systems, pp.2918-2923, Vancouver, Canada (2001.7)
- Helmut Prendinger and Mitsuru Ishizuka: **Simulating Affective Communication with Animated Agents**, Proc. Eighth IFIP TC.13 Conference on Human-Computer Interaction (INTERACT 2001), pp.182-189, Tokyo, Japan (2001.7)

- Helmut Prendinger and Mitsuru Ishizuka: **Agents That Talk Back (Sometimes): Filter Programs for Affective Communication**, Proc. 2nd Workshop on Attitude, Personality and Emotions in User-Adapted Interaction, in conjunction with User Modeling 2001, 6 pages, Sonthofen, Germany, (2001.7)
- Hiroshi Dohi and Mitsuru Ishizuka: **Life-like Agent Interface on a User-tracking Active Display, in Usability Evaluation and Interface Design: Cognitive Engineering**, Intelligent Agents and Virtual Reality (M.J. Smith, G. Salvendy, D. Harris, and R.J.Koubek eds.) Lawrence Erlbaum Associates, 2001, pages 534-538 (also Proc. HCI International 2001, vol.1, New Orleans, USA, 2001.8)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **Discovery of Emerging Topics by Co-citation Graph on the Web**, Knowledge-based Intelligent Information Engineering Systems & Applied Technologies(KES2001), Osaka, Japan, pages 1178-1182 (2001.8)
- Peng Du and Mitsuru Ishizuka: **Dynamic Web Markup Language (DWML) for Generating Animated Web Pages with Character Agent and Time-control Function**, Proc.(CD-ROM) 2001 IEEE Int'l Conf. on Multimedia and Expo (ICME2001), 4 pages, Tokyo, Japan (2001.8)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **Discovering Seeds of New Interest Spread from Premature Pages Cited by Multiple Communities**, Proc. Web Intelligence(WI2001), LNAI 2198 (Springer), pp.195-199, Maebashi, Japan (2001.10)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **Discovery of Emerging Topics between Communities on WWW**, Proc. Web Intelligence (WI2001), LNAI 2198 (Springer), pp.473-482, Maebashi, Japan (2001.10)
- Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: **Average-clicks: A New Measure of Distance on the World Wide Web**, Proc. Web Intelligence(WI2001), LNAI 2198 (Springer), pp.106-114, Maebashi, Japan (2001.10)
- Khoo Khyou Bun and Mitsuru Ishizuka: **Emerging Topic Tracking System**, Proc. Web Intelligence (WI2001), LNAI 2198 (Springer), pp.125-130, Maebashi, Japan (2001.10)
- Khoo Khyou Bun and Mitsuru Ishizuka: **Information Area Tracking and Changes Summarizing in WWW**, Proc. WebNet 2001 -- World Conf. on WWW and Internet, pp.680-685, Orlando, Florida, USA (2001.10)
- Helmut Prendinger and Mitsuru Ishizuka: **Appraisal and Filter Programs for Affective Communication**, 2001 AAI Fall Symposium (Emotional and Intelligent II: The Tangled Knot of Social Cognition), Technical Report FS-01-02, pp.97-102, North Falmouth, USA (2001.11)
- Istvan Barakonyi and Mitsuru Ishizuka: **A 3D Agent with Synthetic Face and Semiautonomous Behavior for Multimodal Presentations**, Proc. Multimedia Technology and Applications Conference (MTAC2001, IEEE Computer Soc.), pp.21-25, Irvine, California, USA (2001.11)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **Knowledge Navigation on Visualizing Complementary Documents**, Proc. Discovery Science(DS'2001), pp. 258-270, Washington D.C., USA (2001.11)
- Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: **KeyWorld: Extracting Keywords in a Document as a Small World**, Proc. Discovery Science(DS'2001), pp. 271-281, Washington D.C., USA (2001.11)
- Sylvain Descamps, Istvan Barakonyi and Mitsuru Ishizuka: **Making the Web Emotional: Authoring Multimodal Presentations Using a Synthetic 3D Agent**, Proc. OZCHI-2001 (Computer-Human Interaction, SIG of Australia), pp.25-30, Perth, Australia (200.11)

- Juan Liu, Hitoshi Iba and Mitsuru Ishizuka: **Selecting Informative Genes with Parallel Genetic Algorithms in Tissue Classification**, Proc. of the Genome Informatics Workshop(GIW'2001), pp.14-23, Yebisu, Tokyo (2001.12)
- Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: **Document as a Small World**, in New Frontiers in Artificial Intelligence -- Joint JSAI 2001 Workshop Post-Proceedings (T. Terano, T. Nishida, A. Namatame, S. Tsumoto, Y. Ohsawa, T. Washio (eds.)), LNAI 2253, pp.444-448, Springer-Verlag (2001)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **Future Direction of Communities on the Web**, in New Frontiers in Artificial Intelligence -- Joint JSAI 2001 Workshop Post-Proceedings (T. Terano, T. Nishida, A. Namatame, S. Tsumoto, Y. Ohsawa, T. Washio (eds.)), LNAI 2253, pp.435-443, Springer-Verlag (2001)
- Helmut Prendinger and Mitsuru Ishizuka: **Methodological Considerations on Chance Discovery**, in New Frontiers in Artificial Intelligence -- Joint JSAI 2001 Workshop Post-Proceedings (T. Terano, T. Nishida, A. Namatame, S. Tsumoto, Y. Ohsawa, T. Washio (eds.)), LNAI 2253, pp.425-434, Springer-Verlag (2001)
- Helmut Prendinger and Mitsuru Ishizuka: **Evolving Social Relationships with Animate Characters**, Symposium of the AISB-02 Convention on "Animating Expressive Characters for Social Interactions", pp.73-78, London, UK (2002.4)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **Mining Mailing List Archives**, Poster, Proc. Int'l World Wide Web Conf. (WWW02), Hawaii (2002.5)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **Influence Diffusion Model in Text-Based Communication**, Poster, Proc. Int'l World Wide Web Conf. (WWW02), Hawaii (2002.5)
- Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: **Subjective Distance on the WWW**, Poster, Proc. Int'l World Wide Web Conf. (WWW02), Hawaii (2002.5)
- Istvan Barakonyi, Naiwala P. Chandrasiri, Sylvain Descamps, and Mitsuru Ishizuka: **Communicating Multimodal Information on the WWW Using a Lifelike, Animated 3D Agent**, Proc. 1st Hungarian Conf. on Computer Graphics and Geometry, Budapest, Hungary (2002.5)
- Helmut Prendinger and Mitsuru Ishizuka: **Social Computing. Life-like Characters as Social Actors**, Proc. 1st Salzburg Workshop on Paradigms of Cognition (SWPC 1/2002), Salzburg, Austria, 12 pages (2002.7)
- Helmut Prendinger and Mitsuru Ishizuka: **SCREAM: Scripting Emotion-based Agent Minds**, Proc. First Int'l Joint Conf. on Autonomous Agents and Multi-Agent Systems (AAMAS-02), Bologna, Italy, pp. 350-351 (2002)
- Yutaka Matsuo, Yukio Ohsawa and Mitsuru Ishizuka: **Mining Messages in an Electronic Message Board by Repetition of Words**, Workshop Notes: The 2nd Int'l Workshop on Chance Discovery (in conjunction with PRICAI-02, Tokyo), pp. 51-56 (2002.8)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **Profiling of Participants in Online Community**, Workshop Notes: The 2nd Int'l Workshop on Chance Discovery (in conjunction with PRICAI-02, Tokyo), pp. 45-50, (2002.8)
- Istvan Barakonyi, Naiwala P. Chandrasiri, Sylvain Descamps, Mitsuru Ishizuka: **Communicating Multimodal Information on the WWW using a Lifelike, Animated 3D Agent**, Workshop Notes: Int'l Workshop on Lifelike Animated Agents -- Tools, Affective Functions, and Applications (in conjunction with PRICAI-02, Tokyo), pp.16-21 (2002.8)

- Naohiro Matsumura, Yutaka Ohsawa and Mitsuru Ishizuka: **Automatic Indexing based on Term Activities**, PRICAI 2002: Trends in Artificial Intelligence (Proc. 7th Pacific Rim Int'l Conf. on AI, Tokyo) (M. Ishizuka, A. Sattar (Eds.)), Lecture Notes in AI 2417, p.609, Springer (2002.8)
- Yutaka Matsuo and Mitsuru Ishizuka: **Two Transformations of Clauses into Constraints and Their Properties for Cost-Based Hypothetical Reasoning**, PRICAI 2002: Trends in Artificial Intelligence (Proc. 7th Pacific Rim Int'l Conf. on AI, Tokyo) (M. Ishizuka, A. Sattar (Eds.)), Lecture Notes in AI 2417, pp.118-127, Springer (2002.8)
- Helmut Prendinger, Sylvain Descamps, and Mitsuru Ishizuka: **Scripting the Bodies and Minds of Life-like Characters**, PRICAI 2002: Trends in Artificial Intelligence (Proc. 7th Pacific Rim Int'l Conf. on AI, Tokyo) (M. Ishizuka, A. Sattar (Eds.)), Lecture Notes in AI 2417, pp.571-580, Springer (2002.8)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **Mining and Characterizing Opinion Leaders from Threaded Online Discussions**, Proc. 6th Int'l Conf. on Knowledge-based Intelligent Information Engineering Systems & Applied Technologies (KES2002), IOS Press/Ohmsa (ISSN:0922-6389), Crema, Italy, pp.1267-1270 (2002.9)
- Naoaki Okazaki, Yutaka Matsuo, Naohiro Matsumura, Hironori Tomobe, and Mitsuru Ishizuka: **Extracting Characteristic Sentences from Related Documents**, Proc. 6th Int'l Conf. on Knowledge-based Intelligent Information Engineering Systems & Applied Technologies(KES2002), IOS Press/Ohmsa (ISSN:0922-6389), Crema, Italy, pp.1257-1261 (2002.9)
- Naoaki Okazaki, Yutaka Matsuo, Naohiro Matsumura, Hironori Tomobe, and Mitsuru Ishizuka: **Two Different Methods at NTCIR3-TSC2: Coverage Oriented and Focus Oriented**, Working Notes of the Third NTCIR Workshop Meeting, Part V: Text Summarization Challenge2 (TSC2), pp.39-46, Tokyo (2002.10)
- Yukata Matsuo, Hayato Fukuta and Mitsuru Ishizuka: **Browsing Support by Highlighting Keywords based on a User's Browsing History**, Proc.(CD-ROM) 2002 IEEE Int'l Conf. on SMC, Vol.6, No.WA1R4, 6 pages, Tunis, Tunisia, (2002.10)
- Helmut Prendinger and Mitsuru Ishizuka: **Designing Animated Agents as Social Actors and Dramatis Personae for Web-based Interaction**, Proc. Joint Agent Workshop (JAWS-02), Hakodate, Hokkaido, Japan, 2002, pp.228-235, (2002.10)
- Naohiro Matsumura, Yukio Ohsawa and Mitsuru Ishizuka: **PAI: Automatic Indexing for Extracting Asserted Keywords from a Document**, Technical Report FS-02-01, 2002 AAAI Fall Symposium on Chance Discovery: The Discovery and Management of Chance Events, pp.28-32, MA, USA, (2002.11)
- Naoaki Okazaki, Sohei Aya, Santi Saeyor, and Mitsuru Ishizuka: **A Multimodal Presentation Markup Language MPML-VR for a 3D Virtual Space**, Workshop Proc. (CD-ROM) on Virtual Conversational Characters: Applications, Methods, and Research Challenges (in conjunction with HF2002 and OZCHI2002), 4 pages, Melbourne, Australia, (2002.11)
- Naiwala P. Chandrasiri, Istvan Barakonyi, Takeshi Naemura, Mitsuru Ishizuka and Hiroshi Harashima: **Communication over the Internet using a 3D Agent with Real-time Facial Expression Analysis**, Synthesis and Text to Speech Capabilities, Proc.(CD-ROM) IEEE Int'l Conf. on Communication Systems (ICCS 2002), paper no. 479 (5 pages), Singapore (2002.11)
- Khoo Khyou Bun and Mitsuru Ishizuka: **Topic Extraction from News Archive Using TF*PDF Algorithm**, Proc. 3rd Int'l Conference on Web Information Systems Engineering (WISE 2002) (IEEE Computer Soc.), pp.73-82, Singapore (2002.12)

- Kyoshi Mori, Adam Jatowt and Mitsuru Ishizuka: **Enhancing Conversational Flexibility in Multimodal Interactions with Embodied Lifelike Agents**, Proc. Int'l Conf. on Intelligent User Interfaces (IUI 2003) (ACM), pp. 270-272, Miami, Florida, USA (2003.1)
- Naoaki Okazaki, Yutaka Matsuo, Naohiro Matsumura and Mitsuru Ishizuka: **Sentence Extraction by Spreading Activation with Refined Similarity Measure**, Proc. 16th Int'l FLAIRS Conf., Florida, pp. 407-411, (2003.5)
- Yutaka Matsuo and Mitsuru Ishizuka: **Keyword Extraction from a Single Document using Word Co-occurrence Statistical Information**, Proc. 16th Int'l FLAIRS Conf., Florida, pp. 392--396, (2003.5)
- Hironori Tomobe, Yutaka Matsuo, Koiti Hasida and Mitsuru Ishizuka: **Social Network Extraction of Conference Participants**, Poster, Proc. Int'l World Wide Web Conf. (WWW03), Budapest (2003.5)
- Hiroshi Dohi and Mitsuru Ishizuka: **A Virtual Showcase with Intuitive Hand-Free Voice Control**, Proc. HCI International 2003, Vol.4(Universal Access in HCI), pp.1367-1371, Crete, Greece (2003.6)
- Junichiro Mori, Helmut Prendinger, Sonja Mayer, Hiroshi Dohi, and Mitsuru Ishizuka: **Using Biosignals to Track the Effects of a Character-based Interface**, Proc. 3rd Workshop on Affective and Attitude User Modeling -- Assessing and Adapting to User Attitudes and Affect: Why, When and How? (in conjunction with User Modeling 2003), Johnstown, USA, pp.39-44, (2003.6)
- Junichiro Mori, Helmut Prendinger, and Mitsuru Ishizuka: **Evaluation of an Embodied Conversational Agent with Affective Behavior**, AAMAS Workshop Proc. (W10) - Embodied Conversational Characters as Individuals, (in conjunction with Second Int'l Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS-03)), Melbourne, Australia, pp.58-61, (2003.7)
- Santi Saeyor, Koki Uchiyama, and Mitsuru Ishizuka: **Multimodal Presentation Markup Language on Mobile Phones**, AAMAS Workshop Proc. (W10) - Embodied Conversational Characters as Individuals, (in conjunction with Second Int'l Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS-03)), Melbourne, Australia, pp.68-71, (2003.7)
- Helmut Prendinger, Sonja Mayer, Junichiro Mori, and Mitsuru Ishizuka: **Persona effect revisited. Using bio-signals to measure and reflect the impact of character-based interfaces**, Proc. Fourth Int'l Working Conf. on Intelligent Virtual Agents (IVA-03), Kloster Irsee, Germany, (Springer, Berlin Heidelberg 2003), pp. 283-291, (2003.9)
- Santi Saeyor, Suman Mukherjee, Koki Uchiyama, and Mitsuru Ishizuka: **A Scripting Language for Multimodal Presentation on Mobile Phones**, Intelligent Virtual Agents (Proc. 4th Int'l Workshop, IVA2003, Kloster Irsee, Germany) (T. Rist, R. Aylett, D. Ballin, J. Rickel (eds.)), Springer, LNAI-2792, pp.226-230 (2003.9)
- Helmut Prendinger, Junichiro Mori, Sonja Mayer, and Mitsuru Ishizuka: **Character-based interfaces adapting to users' autonomic nervous system activity**, Proc. Joint Agent Workshop (JAWS-03), Awaji, Japan, pp. 375-380 (2003.10)
- Ratanachai Sombatsrisomboon, Yutaka Matsuo, and Mitsuru Ishizuka: **Acquisition of Hypernyms and Hyponyms from the WWW**, Proc. of 2nd Int'l Workshop on Active Mining (AM2003), pp.7-13, Maebashi, Japan (in conjunction with Int'l Sympo. on Methodologies for Intelligent Systems) (2003.10)
- Yutaka Matsuo, Hironori Tomobe, Koiti Hasida, and Mitsuru Ishizuka: **Mining Social Network of Conference Participants from the Web**, Proc. 2003 IEEE/WIC Int'l Conf. on Web Intelligence

(WI2003), Halifax, Canada (2003.10)

Yutaka Matsuo, Hironori Tomobe, Koiti Hasida, and Mitsuru Ishizuka: **Mining and Annotating Social Relationship** (poster), Proc. 3rd Int'l Conf. on Semantic Web (ISWC2003), Hiroshima (2003.11)

Adam Jatowt, Khoo Khyou Bun, and Mitsuru Ishizuka: **Query-based Discovering of Popular Changes in WWW**, Proc. IADIS Int'l Conf. on WWW/Internet (IADIS 2003), Algarve, Portugal, Vol.1, pp.477-484 (2003.11)

Zhenglu Yang, Arturo Nakasone, Adam Jatowt, and Mitsuru Ishizuka: **A Two-Model Framework for Multimodal Presentation with Life-like Characters in Flash Medium**, Proc. of 7th IASTED Int'l Conf. on Software Engineering and Applications (SEA 2003), Marina del Rey, CA, USA, pp.769-774 (2003.11) {**IASTED Best Paper Award** in the area of Software Quality and Testing}

Zhenglu Yang and Mitsuru Ishizuka: **MPML-FLASH: A Multimodal Presentation Markup Language with Character Agent Control in Flash Medium**, Proc. of 6th Int'l Workshop on Multimedia Network Systems and Applications (MNSA'2004), Tokyo, Japan, pp.187-192, (2004.3)

Helmut Prendinger and Mitsuru Ishizuka: **What Affective Computing and Life-like Character Technology Can Do for Tele-Home Health Care**, Workshop on HCI and Homecare: Connecting Families and Clinicians (Online Proceedings), in conj. with CHI-04, Vienna, Austria (2004.4)

Adam Jatowt, Khoo Khyou Bun, and Mitsuru Ishizuka: **Change Summarization in Web Collections**, Proc. 17th Int'l Conf. on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems (IEA/AIE 2004), Ottawa, Canada, Lecture Notes in Computer Science, LNCS 3029, Springer, pp.653-662, (2004.5)

Adam Jatowt and Mitsuru Ishizuka: **Web Page Summarization Using Dynamic Content**, Poster, Proc. 13th Int'l World Wide Web Conf. (WWW04), New York, USA, pp.344-345, (2004.5)

Gakuto Kurata and Naoaki Okazaki and Mitsuru Ishizuka: **GDQA: Graph Driven Question Answering System - NTCIR-4 QAC2 Experiments -**, Working Notes of the Fourth NTCIR Workshop Meeting (NTCIR-4), Tokyo, Japan, pp.338-344, (2004.6)

Naoaki Okazaki and Yutaka Matsuo and Mitsuru Ishizuka: **TISS: An Integrated Summarization System for TSC-3**, Working Notes of the Fourth NTCIR Workshop Meeting (NTCIR-4), Tokyo, Japan, pp.436-443, (2004.6)

Helmut Prendinger, Hiroshi Dohi, Hua Wang, Sonja Mayer, and Mitsuru Ishizuka: **Empathic Embodied Interfaces: Addressing Users' Affective State**, Tutorial and Research Workshop on Affective Dialogue Systems (ADS-04), Kloster Irsee, Germany, pp.53-64 (2004.6)

Shaikh Mostafa Al Masum, A. S. M. Mahbub Morshed, and Mitsuru Ishizuka: **Object Oriented Hybrid Software Engineering Process (SEP) Model for Small Scale Software Development Firms**, Proc. 2nd Int'l Conf. on Computer Science and its Applications (ICCSA-2004), San Diego (2004.6)

Naoaki Okazaki, Yutaka Matsuo and Mitsuru Ishizuka: **Coherent Arrangement of Sentences Extracted from Multiple Newspaper Articles**, PRICAI 2004 Pre-Conference Workshop Notes (Workshop of Language Sense on Computer), Auckland, New Zealand, pp.??-??, (2004.8)

Naoaki Okazaki, Yutaka Matsuo and Mitsuru Ishizuka: **Coherent Arrangement of Sentences Extracted from Multiple Newspaper Articles**, PRICAI 2004: Trends in Artificial Intelligence (C. Zhang, H. W. Guesgen, and W. K. Yeap (Eds.)). Lecture Notes in AI, LNAI 3157, Springer,

- pp.888-891 (Proc. 8th Pacific Rim Int'l Conf. on Artificial Intelligence, Auckland, New Zealand), (2004.8)
- Naoaki Okazaki and Yutaka Matsuo and Mitsuru Ishizuka: **Improving Chronological Sentence Ordering by Precedence Relation**, Proc. 20th Int'l Conf. on Computational Linguistics (COLING 04), Geneva, Swiss, pp.750-756 (2004.8)
- Yutaka Matsuo, Hironori Tomobe, Koiti Hasida and Mitsuru Ishizuka: **Finding Social Network for Trust Calculation**, Proc. 16th European Conf. on Artificial Intelligence (ECAI2004), Valencia, Spain, pp.510-514 (2004.8)
- Junichiro Mori, Yutaka Matsuo, Mitsuru Ishizuka and Boi Faltings: **Keyword Extraction from the Web for FOAF Metadata**, Proc. 1st Workshop on Friend of a Friend, Social Networking and the Semantic Web, Galway, Ireland, pp.1-8 (2004.9)
- Yohei Asada, Yutaka Matsuo and Mitsuru Ishizuka: **A Method to Automatically Find FOAF: Group based on the Cooccurrence of People with Keywords in the Web**, Proc. 1st Workshop on Friend of a Friend, Social Networking and the Semantic Web, Galway, Ireland, pp.34-37 (2004.9)
- Yasubumi Nozawa, Hiroshi Dohi, Hitoshi Iba and Mitsuru Ishizuka: **Humanoid Robot Presentation Controlled by Multimodal Presentation Markup Language MPML**, Proc. 13th IEEE Int'l Workshop on Robot and Human Interactive Communication (RO-MAN2004), Kurashiki, Japan, No.026 (2004.9)
- Adam Jatowt and Mitsuru Ishizuka: **Summarization of Dynamic Content in Web Collections**, Proc. 8th European Conf. on Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD 2004), Pisa, Italy, Lecture Notes in Artificial Intelligence, LNAI 3202, Springer, pp.245-254, (2004.9)
- Tomoya Taniguchi, Yutaka Matsuo, Koiti Hasida, Mitsuru Ishizuka: **Detecting and Analyzing Blog Community**, Poster Abstracts 3rd Int'l Semantic Web Conf. (ISWC2004), Hiroshima, Japan, pp.45-46, (2004.11)
- Junichiro Mori, Yutaka Matsuo, Mitsuru Ishizuka, and Boi Faltings: **Keyword Extraction from the Web for Creation of Person Metadata**, Poster Abstracts 3rd Int'l Semantic Web Conf. (ISWC2004), Hiroshima, Japan, pp.45-46, (2004.11)
- Junichiro Mori, Yutaka Matsuo, Mitsuru Ishizuka, and Boi Faltings: **Keyword Extraction from the Web for Person Metadata Annotation**, ISWC Workshop Notes VIII (W8) - 4th International Workshop on Knowledge Markup and Semantic Annotation (Semannot2004) (in conjunction with 3rd Int'l Semantic Web Conf. (ISWC2004)), Hiroshima, Japan, pp.51-60, (2004.11)
- Adam Jatowt and Mitsuru Ishizuka: **Temporal Summarization of Web Pages**, Proc. 5th Web Information Systems Conference (WISE 2004), Brisbane, Australia, Lecture Notes in Computer Science, LNCS 3306, Springer, pp.303-312, (2004.11)
- Junichiro Mori, Tatsuhiko Sugiyama, Yutaka Matsuo, Hironori Tomobe, and Mitsuru Ishizuka: **Real-world Oriented Information Sharing using Social Network**, Proc. 25th Int'l Sunbelt Social Network Conf. (SUNBELT XXV) (2005.2)
- Hua Wang, Helmut Prendinger, Mitsuru Ishizuka, and Takeo Igarashi: **Affective Communication in Online Chat Using Physiological Sensors and Animated Text**, Trans. Human Interface Society, Vol.7, No.1, pp.39-45 (2005.2)
- Chunling Ma, Helmut Prendinger, and Mitsuru Ishizuka: **Eye Movement as an Indicator of Users' Involvement with Embodied Interfaces at the Low Level**, Proc. of the Symposium on

- Conversational Informatics for Supporting Social Intelligence & Interaction: Situational and Environmental Information Enforcing Involvement in Conversation (AISB'05), Hatfield, UK, pp.136-143 (2005.4)
- Helmut Prendinger, Chunling Ma, Junichiro Mori, and Mitsuru Ishizuka: **Does Non-verbal Behavior of an Embodied Agent Matter?**, Proc. 2005 Int'l Conf. on Active Media Technology (AMT-05), IEEE, Takamatsu, Kagawa, Japan, pp.535-540 (2005.5)
- Christian Becker, Helmut Prendinger, Mitsuru Ishizuka, and Ipke Wachsmuth: **Empathy for Max (Preliminary project report)**, Proc. 2005 Int'l Conf. on Active Media Technology (AMT-05), IEEE, Takamatsu, Kagawa, Japan, pp.541-545 (2005.5)
- Chunling Ma, Alexander Osherenko, Helmut Prendinger, and Mitsuru Ishizuka: **A Chat System Based on Emotion Estimation from Text and Embodied Conversational Messengers (Preliminary Report)**, Proc. 2005 Int'l Conf. on Active Media Technology (AMT-05), IEEE, Takamatsu, Kagawa, Japan, pp546-548 (2005.5)
- Shaikh Mostafa Al Masum and Mitsuru Ishizuka: **Software-Agent Architecture for Interactive E-Learning**, Proc. 1st Int'l Conf. on Web Information Systems and Technologies (WEBIST 2005), Miami, Florida, USA, pp525-528 (2005.5)
- Shaikh Mostafa Al Masum and Mitsuru Ishizuka: **An Affective Role Model of Software Agent for Effective Agent-Based e-Learning by Interplaying between Emotions and Learning**, Proc.1st Int'l Conf. on Web Information Systems and Technologies (WEBIST 2005), Miami, Florida, USA, pp449-456 (2005.5)
- Junichiro Mori, Yutaka Matsuo, Koiti Hasida, and Mitsuru Ishizuka: **Web Mining Approach for a User-centered Semantic Web**, Proc. Int'l Workshop on User Aspects on the Semantic Web in 2nd European Semantic Web Conf.(ESWC2005), Heraklion, Greek, pp177-187 (2005.5)
- Christian Becker, Arturo Nakasone, Helmut Prendinger, Mitsuru Ishizuka, Ipke Wachsmuth: **Physiologically Interactive Gaming with the 3D Agent Max**, Working Notes of JSAI2005 Workshop on Conversational Informatics, Kitakyushu, Japan (2005.6)
- Junichiro Mori, Yutaka Matsuo, Mitsuru Ishizuka: **Finding User Semantics on the Web using Word Co-occurrence Information**, Proc. Int'l Workshop on Personalization on the Semantic Web (PersWeb05), in conjunction with 10th Int'l Conf. on User Modeling (UM05), Edinburgh, Scotland, UK, pp.73-82 (2005.7)
- Helmut Prendinger, Junichiro Mori, Mitsuru Ishizuka: **Recognizing, Modeling, and Responding to Users' Affective States**, Proc. 10th Int'l Conf. on User Modeling (UM05), Edinburgh, Scotland, UK, pp.60-69 (2005.7)
- Hiroshi Dohi and Mitsuru Ishizuka: **Web-based Multimodal Presentation by a Two-legged Humanoid Robot**, Proc. 11th Int'l Conf. on Human-Computer Interaction (HCI International 2005), CD-ROM, Las Vegas, USA (2005.7)
- Helmut Prendinger, Chunling Ma, Jin Yingzi, Kazutaka Kushida, and Mitsuru Ishizuka: **Evaluating the Interaction with Synthetic Agents using Attention and Affect Tracking** (Poster Session), Proc. 4th Int'l Conf. on Autonomous Agents and Multi Agent Systems (AAMAS-05), Vol.3, pp.1099-1100, Utrecht, The Netherlands (2005.7)
- Kazutaka Kushida, Yoshitaka Nishimura, Hiroshi Dohi, Mitsuru Ishizuka, Johane Takeuchi and Hiroshi Tsujino: **Humanoid Robot Presentation through Multimodal Presentation Markup Language MPML-HR**, 4th Int'l Conf. on Autonomous Agents and Multi Agent Systems (AAMAS-05) Workshop 13 "Creating Bonds with Humanoids", pp.23-29, Utrecht, The Netherlands (2005.7)

- Arturo Nakasone, Helmut Prendinger and Mitsuru Ishizuka: **Emotion Recognition from Electromyography and Skin Conductance**, Proc. 5th Int'l Workshop on Biosignal Interpretation (BSI-05), pp.219-222, Tokyo (2005.9)
- Chunling Ma, Helmut Prendinger and Mitsuru Ishizuka: **A Chat System Based on Emotion Estimation from Text and Embodied Conversational Messengers**, in Entertainment Computing -- ICEC 2005 (Proc. IFIP 4th Int'l Conf. on Entertainment Computing-2005, Kobe-Sanda, Japan), Springer LNCS 3711, pp.535-538 (2005.9)
- Masahiro Ono and Mitsuru Ishizuka: **Prisoner's Dilemma Game on Network**, Proc. 8th Pacific-Rim Int'l Workshop on Multi-Agents, PRIMA2005, pp.9-22, Kuala Lumpur, Malaysia (2005.9)
- Shaikh Mostafa Al Masum, Mitsuru Ishizuka and Md. Tawhidul Islam: **'Auto-Presentation': A Multi-Agent System for Building Automatic Multi-Modal Presentation of a Topic from World Wide Web Information**, Proc.2005 IEEE/WIC/ACM Int'l Conf. on Intelligent Agent Technology(WI/IAT2005), Compiegne, France, pp.246-249(2005.9)
- Hua Wang, Mark Chignell and Mitsuru Ishizuka: **Improving the Usability and Effectiveness of Online Learning: How Can Avatars Help?**, Proc.(CD-ROM) Human Factors and Ergonomics Society 49th Annual Meeting (HFES2005), Orlando, FL (2005.9)
- Naoaki Okazaki, Yutaka Matsuo and Mitsuru Ishizuka: **Improving Chronological Ordering of Sentences Extracted from Multiple Newspaper Articles**, ACM Trans. Asian Language Information Processing (TALIP), Vol.4, No.3, pp.321-339 (2005.9)
- Helmut Prendinger, Chunling Ma, Jin Yingzi, Arturo Nakasone and Mitsuru Ishizuka: **Understanding the Effect of Life-Like Interface Agents Through Users' Eye Movements**, Proc. 7th Int'l Conf. on Multimodal Interfaces (ICMI-05), Trento, Italy (ACM Press), pp.108-115 (2005.10)
- Christian Becker, Helmut Prendinger, Mitsuru Ishizuka and Ipke Wachsmuth: **Evaluating Affective Feedback of the 3D Agent Max in a Competitive Cards Game**, in Affective Computing and Intelligent Interaction (First Int'l Conf. ACII 2005) (J. Tao, T. Tan and R. W. Picard (Eds.)), Springer LNCS 3784, Beijing, China, pp.466-473 (2005.10)
- Chunling Ma, Helmut Prendinger and Mitsuru Ishizuka: **Emotion Estimation and Reasoning Based on Affective Textual Interaction**, in Affective Computing and Intelligent Interaction (First Int'l Conf. ACII 2005) (J. Tao, T. Tan and R. W. Picard (Eds.)), Springer LNCS 3784, Beijing, China, pp.622-628 (2005.10)
- Danushka Bollegala, Naoaki Okazaki and Mitsuru Ishizuka: **A Machine Learning Approach to Sentence Ordering for Multidocument Summarization and its Evaluation**, Proc. of 2nd Int'l Joint Conf. on Natural Language Processing (IJCNLP) (Robert Dale, Kam-Fai Wong, Jian Su, Oi Yee Kwong (Eds.)), Springer LNAI 3651, Jeju Island, Korea, pp.624-635 (2005.10)
- Junichiro Mori, Tatsuhiko Sugiyama and Yutaka Matsuo: **Real-world Oriented Information Sharing using Social Network**, Proc. ACM SIGGROUP Conf. on Supporting Group Work, pp.81-84, Florida, USA (2005.11)
- Helmut Prendinger and Mitsuru Ishizuka: **A Creative Abduction Approach to Scientific and Knowledge Discovery**, Knowledge-Based Systems Journal, Vol.18, Issue 7, pp.321-326 (2005.11)
- Shaikh Mostafa Al Masum, Hua Wang, Mostafa Al Mamun and Mitsuru Ishizuka: **Modeling an Affectionate Virtual Teacher for e-Learning Underpinning 3-Dimensional Emotion Model**, Proc. 8th Int'l Conf. on Computer and Information Technology (ICCIT 2005), Dhaka, Bangladesh, pp.280-285 (2005.12)

- Shaikh Mostafa Al Masum, Mitsuru Ishizuka and Tawhidul Islam: **Creating Topic-Specific Automatic Multimodal Presentation Mining the World Wide Web Information**, Proc. 8th Int'l Conf. on Computer and Information Technology (ICCIT 2005), Dhaka, Bangladesh, pp.267-272 (2005.12)
- Yoshitaka Nishimura, Kazutaka Kushida, Hiroshi Dohi, Mitsuru Ishizuka, Johane Takeuchi and Hiroshi Tsujino: **Development and Psychological Evaluation of Multimodal Presentation Markup Language for Humanoid Robots**, Proc. 5th IEEE-RAS Int'l Conf. on Humanoid Robots, Tsukuba, Japan, pp.393-398 (2005.12)
- Shaikh Mostafa Al Masum, Helmut Prendinger and Mitsuru Ishizuka: **A Cognitively Based Approach to Affect Sensing from Text**, Proc.10th Int'l Conf. on Intelligent User Interface (IUI 2006), Sydney, Australia, pp.349-351 (2006.02)
- Hua Wang, Mark Chignell and Mitsuru Ishizuka: **Are Two Talking Heads Better Than One? When Should Use More Than One Agent in E-Learning?**, Proc.10th Int'l Conf. on Intelligent User Interface (IUI 2006), Sydney, Australia, pp.366-368 (2006.2)
- Dat P.T. Nguyen and Mitsuru Ishizuka: **A Statistical Approach for Universal Networking Language-based Relation Extraction**, Proc. 4th IEEE Int'l Conf. on Computer Sciences Research, Innovation and Vision for the Future (RIVF2006), Ho Chi Minh City, Vietnam, pp.153-159 (2006.2)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Extracting Key Phrases to Disambiguate Personal Names on the Web**, Proc. 7th Int'l Conf. on Intelligent Text Processing and Computational Linguistics (CICLing), [Springer LNCS 3878, Alexander Gelbukh (Ed)], Mexico City, Mexico, pp.223-234 (2006.02)
- Hua Wang, Mark Chignell and Mitsuru Ishizuka: **Empathic Tutoring Software Agents Using Real-Time Eye Tracking**, Proc. 2006 Symposium on Eye Tracking Research & Applications (ETRA06), San Diego, California, pp.73-78 (2006.3)
- Collomb Etienne and Mitsuru Ishizuka: **Towards Morphology Study of Massive Multi-Agent System to Represent Robot States**, Proc. Joint Workshop on Massively Multi-Agent Systems, and Challenges in the Coordination of Large Scale Multi-agent Systems (MMAS/LSMAS) in conjunction with the 5th Int'l Joint Conf. Autonomous Agent and Multiagents Systems (AAMAS-06), pp.169-175, Hakodate (2006.5)
- Arturo Nakasone, Helmut Prendinger and Mitsuru Ishizuka: **Web Presentation System using RST Events**, Proc. 5th Int'l Joint Conf. Autonomous Agent and Multiagents Systems (AAMAS-06), Hakodate, pp.955-957 (2006.5)
- Yutaka Matsuo, Junichiro Mori, Masahiro Hamasaki, Keisuke Ishida, Takuichi Nishimura, Hideaki Takeda, Koiti Hasida and Mitsuru Ishizuka: **POLYHONET: An Advanced Social Network Extraction System from the Web**, Proc. (CD-ROM) 15th World Wide Web Conf. (WWW2006), Edinburgh, UK (2006.5)
- Yang Jie and Mitsuru Ishizuka: **Lego-Note: To Generate Semantic Web Content by Graphic Tagging**, Online Proc. Workshop on Scripting for the Semantic Web (SFSW'06), 2 pages, Budva, Montenegro (2006.6)
- Nikolaus Bee, Helmut Prendinger, Arturo Nakasone, Elisabeth Andre, and Mitsuru Ishizuka: **AutoSelect: What You Want Is What You Get: Real-time Processing of Visual Attention and Affect**, Perception and Interactive Technologies (Proc. International Tutorial and Research Workshop on Perception and Interactive Technologies (PIT-06), Kloster Irsee, Germany), (E. Andre, L. Dybkjaer, W. Minker, H. Neumann, and M. Weber (Eds.)), Springer LNAI 4021, pp.40-52 (2006.6)

- Yutaka Matsuo, Masahiro Hamasaki, Yoshiyuki Nakamura, Takuichi Nishimura, Koiti Hasida, Hideaki Takeda, Junichiro Mori, Danushka Bollegala, Mitsuru Ishizuka: **Spinning Multiple Social Networks for Semantic Web**, Proc. 21st National Conf. on Artificial Intelligence (AAAI2006), pp.1381-1387, Boston, MA, USA, (2006.7)
- Yutaka Matsuo, Takeshi Sakaki, Koki Uchiyama, and Mitsuru Ishizuka: **Graph-based Word Clustering using Web Search Engine**, Proc. 2006 Conf. on Empirical Methods in Natural Language Processing (EMNLP 2006), pp.542-550, Sydney, Australia(2006.7)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Extracting Key Phrases to Disambiguate Personal Name Queries in Web Search**, Proc. of the Workshop "How can Computational Linguistics improve Information Retrieval?" at the Joint 21st Int'l Conf. on Computational Linguistics and the 44th Annual Meeting of the Association for Computational Linguistics (COLING-ACL2006), pp.17-24, Sydney, Australia (2006.7)
- Danushka Bollegala, Naoaki Okazaki and Mitsuru Ishizuka: **A Bottom-up Approach to Sentence Ordering for Multi-document Summarization**, Proc. of the Joint 21st Int'l Conf. on Computational Linguistics and the 44th Annual Meeting of the Association for Computational Linguistics (COLING-ACL2006), pp.385-392, Sydney, Australia (2006.7)
- Masahiro Ono and Mitsuru Ishizuka: **Learning and Evolution Affected by Spatial Structure**, PRICAI 2006: Trends in Artificial Intelligence (Qiang Yang and Geoff Webb (eds.)), (Proc. 9th Pacific Rim Int'l Conf. on AI, Guilin, China), LNAI No.4099, pp.651-660, Springer (2006.8)
- Michael Nischt, Helmut Prendinger, Elisabeth Andre, and Mitsuru Ishizuka: **MPML3D: A Reactive Framework for the Multimodal Presentation Markup Language**, Intelligent Virtual Agents (Proc. 6th Int'l Conf. on Intelligent Virtual Agents, Marina del Ray, CA, USA), LNCS No.4133, pp.218-229, Springer (2006.8)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Disambiguating Personal Names on the Web using Automatically Extracted Key Phrases**, Proc. European Conf. on Artificial Intelligence (ECAI 2006), pp.553-557, Trento, Italy (2006.8)
- Yoshitaka Nishimura, Mikio Nakano, Kazuhiro Nakadai, Hiroshi Tsujino and Mitsuru Ishizuka: **Speech Recognition for a Robot under its Motor Noises by Selective Application of Missing Feature Theory and MLLR**, Proc. of ISCA Tutorial and Research Workshop on Statistical and Perceptual Audition (SAPA2006), pp.53-58, Pittsburgh (2006.9)
- Nikolaus Bee, Helmut Prendinger, Elisabeth Andre and Mitsuru Ishizuka: **Automatic Preference Detection by Analyzing the Gaze 'Cascade Effect'**, Electronic Proc. 2nd COGAIN Annual Conf. on Communication by Gaze Interaction, pp.61-64, Turin, Italy (2006.9)
- Masahiro Ono and Mitsuru Ishizuka: **Controllability of Population Characteristics of IPD Game Players based on the Spatial Structure**, Technical Report of AAAI Fall Sympo. on Interaction and Emergent Phenomena in Societies of Agents, No. FS-06-05, pp.119-126, Washington D.C. (2006.10)
- Helmut Prendinger, Arjen Hoekstra, Nikolaus Bee, Michael Nischt, and Mitsuru Ishizuka: **Visual Interest Contingent Presentation Agents** (invited talk), Electric Proc. of Joint Agent Workshop & Symposium (JAWS 2006), 12 pages, Suzuka, Japan (2006.10)
- Yingzi Jin, Yutaka Matsuo, Mitsuru Ishizuka: **Extracting a Social Network among Entities by Web Mining**, Online Proc. ISWC06 Workshop on Web Content Mining with Human Language Technologies, 10 pages, Athens, GA, USA (2006.11)
- Junichiro Mori, Takumi Tsujishita, Yutaka Matsuo, and Mitsuru Ishizuka: **Extracting Relations in Social Networks from the Web Using Similarity Between Collective Contexts**, The Semantic

- Web - ISWC 2006 (Proc. 5th Int'l Semantic Web Conf., Athens, GA, USA), LNCS 4273, pp.487-500, Springer (2006.11)
- Shaikh Mostafa A. Masum, Md. Tawhidul Islam and Mitsuru Ishizuka: **ASNA: An Intelligent Agent for Retrieving and Classifying News on the Basis of Emotion-Affinity**, Proc. Int'l Conf. on Intelligent Agents, Web Technologies and Internet Commerce (IAWTIC'06), pp.133-138 (IEEE Computer Soc.), Sydney (2006.11)
- Arturo Nakasone and Mitsuru Ishizuka: **SRST: A Storytelling Model Using Rhetorical Relations**, Technologies for Interactive Digital Storytelling and Entertainment (Proc. TIDSE, Darmstadt, Germany), LNCS No.4326, pp.127-138, Springer (2006.12)
- Hua Wang, Jie Yang, Mark Chignell and Mitsuru Ishizuka: **Empathetic Multiple Tutoring Agents for Multiple Learner Interface**, IAT2006 Workshop Proc. (CD-ROM) -- Workshop 8: Int'l Workshop on Communication between Human and Artificial Agents, 4 pages, Hong Kong (2006.12)
- Shaikh Mostafa Al Masum and Mitsuru Ishizuka: **Making Topic-Specific Report and Multimodal Presentation Automatically by Mining the Web Resources**, Proc. IEEE/WIC/ACM Int'l Conf. on Web Intelligence (WI2006), pp.240-246, Hong Kong (2006.12)
- Arturo Nakasone and Mitsuru Ishizuka: **Storytelling Ontology Model Using RST**, Proc. (CD-ROM) IEEE/WIC/ACM Int'l Conf. on Intelligent Agent Technology (IAT2006), 7 pages, Hong Kong (2006.12)
- Shaikh Mostafa Al Masum and Mitsuru Ishizuka: **Integrating Natural Language Understanding and a Cognitive Approach to Textual Emotion Recognition for Generating Human-Like Responses**, Proc. Int'l Conf. on Computer and Information Technology (ICCIT2006), pp. , Dhaka, Bangladesh (2006.12)
- Shaikh Mostafa Al Masum, Md. Tawhidul Islam, Mitsuru Ishizuka and Helmut Prendinger: **Implementation of Affect Sensitive News Agent (ASNA) for Affective Classification of News Summary**, Proc. Int'l Conf. on Computer and Information Technology (ICCIT2006), pp. , Dhaka, Bangladesh (2006.12)
- Shaikh Mostafa Al Masum, Helmut Prendinger and Mitsuru Ishizuka: **SenseNet: A Linguistic Tool to Visualize Numerical-Valance Based Sentiment of Textual Data**, Proc. ICON-2007 5th Int'l Conf. on Natural Language Processing, pp.147-152, Hyderabad, India (2007.1)
- Dat P.T. Nguyen, Yutaka Matsuo and Mitsuru Ishizuka: **Exploiting Syntactic and Semantic Information for Relation Extraction from Wikipedia**, Proc. (CD-ROM) IJCAI-07 Workshop on Text-Mining and Link-Analysis (TextLink2007), 11 pages, Hyderabad, India (2007.1)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Identifying People on the Web through Automatically Extracted Key Phrases**, Proc. (CD-ROM) IJCAI-07 Workshop on Text-Mining and Link-Analysis (TextLink2007), 10 pages, Hyderabad, India (2007.1)
- Jie Yang and Mitsuru Ishizuka: **Social Graphic Tagging for Semantic Metadata and a Case Study on Consensus Discovery**, Proc. (CD-ROM) IJCAI-07 Workshop on Semantic Web for Collaborative Knowledge Acquisition, 7 pages, Hyderabad, India (2007.1)
- Junichiro Mori, Yutaka Matsuo and Mitsuru Ishizuka: **Extracting Keyphrases to Represent Relations in Social Networks from Web**, Proc. 20th Int'l Joint Conf. on Artificial Intelligence (IJCAI 2007), pp.2820-2825, Hyderabad, India (2007.1)
- Yoshitaka Nishimura, Shinichiro Minotsu, Hiroshi Dohi, Mitsuru Ishizuka, Mikio Nakano, Kotaro Funakoshi, Johane Takeuchi, Yuji Hasegawa and Hiroshi Tsujino: **A Markup Language for Describing Interactive Humanoid Robot Presentation**, Proc. Int'l Conf. on Intelligent User

- Interfaces (IUI-07), pp.333-336, Hawaii, USA (2007.1)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **Analysis of Affect Expressed through the Evolving Language of Online Communication**, Proc. Int'l Conf. on Intelligent User Interfaces (IUI-07), pp.278-281, Hawaii, USA (2007.1)
- Istvan Barakonyi, Helmut Prendinger, Dieter Schmalstieg, and Mitsuru Ishizuka: **Cascading Hand and Eye Movement for Augmented Reality Videoconferencing**, Proc. 2nd IEEE Symposium on 3D User Interfaces 2007 (3DUI 2007), pp.71-78, Charlotte, North Carolina, USA (2007.3)
- Arjen Hoekstra, Helmut Prendinger, Nikolaus Bee, Dirk Heylen, and Mitsuru Ishizuka: **Presentation Agents that Adapt to Users' Visual Interest and Follow Their Preferences**, Workshop on Computational Attention and Applications (WCAA 2007), Proc. 5th Int'l Conf. on Computer Vision Systems (ICVS 2007), Bielefeld, Germany (Applied Computer Science Group, Bielefeld University), ISBN 978-3-00-020933-8, 10 pages (2007.3)
- Daisuke Kobayashi, Naohiro Matsumura and Mitsuru Ishizuka: **Automatic Estimation of Bloggers' Gender** (poster paper), Proc. Int'l Conf. on Weblogs and Social Media (ICWSM 2007), pp.279-280, Boulder, Colorado, USA (2007.3)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **Narrowing the Social Gap among People Involved in Global Dialog: Automatic Emotion Detection in Blog Posts** (poster paper), Proc. Int'l Conf. on Weblogs and Social Media (ICWSM 2007), pp.293-294, Boulder, Colorado, USA (2007.3)
- Tadanobu Furukawa, Yutaka Matsuo, Ikki Ohmukai, Koki Uchiyama and Mitsuru Ishizuka: **Social Networks and Reading Behavior in Blogosphere**, Proc. Int'l Conf. on Weblogs and Social Media (ICWSM 2007), pp.51-58, Boulder, Colorado, USA (2007.3)
- Dat P.T. Nguyen, Yutaka Matsuo and Mitsuru Ishizuka: **Subtree Mining for Relation Extraction from Wikipedia**, Companion Volume of Proc. of the main conf. of Human Language Technologies 2007: The Conf. of the North American Chapter of the Association for Computational Linguistics (HLT-NAACL 2007), pp.125-128, Rochester, New York (2007.4)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **An Integrated Approach to Measuring Semantic Similarity between Words Using Information Available on the Web**, Companion Volume of Proc. of the main conf. of Human Language Technologies 2007: The Conf. of the North American Chapter of the Association for Computational Linguistics (HLT-NAACL 2007), pp.340-347, Rochester, New York (2007.4)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Measuring Semantic Similarity between Words Using Web Search Engines**, Proc. 16th Int'l World Wide Web Conf.(WWW2007), pp.757-766, Banff, Canada (2007.5)
- Yingzi Jin, Yutaka Matsuo and Mitsuru Ishizuka: **Extracting Social Networks among Various Entities on the Web**, The Semantic Web: Research and Applications (E. Franconi, M. Kifer and W. May (eds.)) (Proc. 4th European Semantic Web Conf., ESWC2007, Innsbruck, Austria), Springer LNCS 4519, pp.251-266 (2007.6)
- Arturo Nakasone and Mitsuru Ishizuka: **ISRST: An Interest based Storytelling Model using Rhetorical Relations**, Proc. 2nd Int'l Conf. of E-Learning and Games (Edutainment 2007), pp.324-335, Hong Kong (2007.6)
- Arjen Hoekstra, Helmut Prendinger, Nikolaus Bee, Dirk Heylen, and Mitsuru Ishizuka: **Highly Realistic 3D Presentation Agents with Visual Attention Capability**, Proc. 7th Int'l Sympo. on Smart Graphics (SG-07), Springer LNCS 4569, pp.73-84, Kyoto, Japan (2007.6)
- Klaus Brugmann, Helmut Prendinger, Marc Stamminger and Mitsuru Ishizuka: **Graceful Anytime**

- Interruptibility for Virtual Agents**, Proc. ACM SIGCHI Int'l Conf. on Advances in Computer Entertainment Technology (ACE-07), ACM Press, pp.284-285, Salzburg, Austria (2007.6)
- Helmut Prendinger, Tobias Eichner, Elisabeth Andre and Mitsuru Ishizuka: **Gaze-based Infotainment Agents**, Proc. ACM SIGCHI Int'l Conf. on Advances in Computer Entertainment Technology (ACE-07), ACM Press, pp.87-90, Salzburg, Austria (2007.6)
- Yingzi Jin, Yutaka Matsuo and Mitsuru Ishizuka: **Extracting Inter-Firm Networks from World Wide Web**, Proc. Int'l Workshop on Web Mining for E-commerce and E-services (WMEE2007) (as a part of IEEE CEC/EEE2007), pp.635-642, Tokyo (2007.7)
- Tadanobu Furukawa, Yutaka Matsuo, Ikki Ohmukai, Koki Uchiyama and Mitsuru Ishizuka: **Social Networks and Reading Behavior in Blogosphere**, Proc. 22nd Conf. on Artificial Intelligence (AAAI-07), pp. 1353-1358 (2007.7)
- Nguyen Dat, Yutaka Matsuo and Mitsuru Ishizuka: **Relation Extraction from Wikipedia Using Subtree Mining**, Proc. 22nd Conf. on Artificial Intelligence (AAAI-07), pp.1414-1420 (2007.7)
- Hua Wang, Jie Yang, Mark Chinell and Mitsuru Ishizuka: **Character Agents in E-Learning Interface Using Multimodal Real-Time Interaction**, Human-Computer Interaction (J. A. Jacko (Ed.)) (Proc. 12th HCI International 2007, Beijing, China), Part III, Springer LNCS 4552, pp.225-231 (2007.7)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **Recognition of Affect Conveyed by Text Messaging in Online Communication**, Online Communities and Social Computing (D. Schuler (Ed.)) (Proc. Second Int'l Conf. OCSC 2007, held as a part of HCI International 2007, Beijing, China), Springer LNCS 4564, pp.141-150 (2007.7)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **Textual Affect Sensing for Social and Expressive Online Communication**, Affective Computing and Intelligent Interaction (A. Pavia, P. Prada and R. W. Picard (Eds.)), (Proc. Int'l Conf. ACII2007, Lisbon, Portugal), Springer LNCS 4738, pp.218-229 (2007.9)
- Mostafa Al Masum Shaikh, Helmut Prendinger and Mitsuru Ishizuka: **Roles of Emotions: A Linguistic Interpretation of an Emotion Model for Affect Sensing from Texts** (poster paper), Affective Computing and Intelligent Interaction (A. Pavia, P. Prada and R. W. Picard (Eds.)), (Proc. Int'l Conf. ACII2007, Lisbon, Portugal), Springer LNCS 4738, pp.737-738 (2007.9)
- Mostafa Al Masum Shaikh, Helmut Prendinger and Mitsuru Ishizuka: **Assessing Sentiment of Text by Semantic Dependency and Contextual Valence Analysis**, Affective Computing and Intelligent Interaction (A. Pavia, P. Prada and R. W. Picard (Eds.)), (Proc. Int'l Conf. ACII2007, Lisbon, Portugal), Springer LNCS 4738, pp.191-202 (2007.9)
- Jun Karamon, Yutaka Matsuo, Hikaru Yamamoto and Mitsuru Ishizuka: **Generating Social Network Features for Link-Based Classification**, Knowledge Discovery in Databases: PKDD 2007 (J. N. Kok, J. Koronacki, R. L. de Mantaras, S. Matwin, D. Mladenic, A. Skowron (Eds.)) ((Proc. 11th European Conf. on Principles and Practice of Knowledge Discovery in Databases, Warsaw, Poland), Springer LNAI 4702, pp.127-139 (2007.9)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **An Expressive Avatar for Instant Messaging Endowed with Emotional Intelligence**(poster paper), Intelligent Virtual Agents (C. Pelachaud, J-C. Martin, E. Andre and G. Chollet (Eds.)) (Proc. 7th Int'l Conf. IVA 2007, Paris, France), Springer LNAI 4722, pp.395-396 (2007.9)
- Tobias Eichner, Helmut Prendinger, Elisabeth Andre and Mitsuru Ishizuka: **Attentive Presentation Agents**, Intelligent Virtual Agents (C. Pelachaud, J-C. Martin, E. Andre and G. Chollet (Eds.)) (Proc. 7th Int'l Conf. IVA 2007, Paris, France), Springer LNAI 4722, pp.283-295 (2007.9)

- Paul Piwek, Hugo Hernault, Helmut Prendinger and Mitsuru Ishizuka: **T2D: Generating Dialogues Between Virtual Agents Automatically from Text**, Intelligent Virtual Agents (C. Pelachaud, J-C. Martin, E Andre and G. Chollet (Eds.)) (Proc. 7th Int'l Conf. IVA 2007, Paris, France), Springer LNAI 4722, pp.161-174 (2007.9)
- Helmut Prendinger, Paul Piwek and Mitsuru Ishizuka: **Automatic Generation of Multi-modal Dialogue from Text based on Discourse Structure Analysis**, Proc. 1st IEEE Int'l Conf. on Semantic Computing (ICSC-07), pp.27-34, Irvine, CA, USA (2007.9)
- Yutaka Matsuo, Junichiro Mori and Mitsuru Ishizuka: **Social Network Mining from the Web**, in "Data Mining Patterns -- New Methods and Applications" (P. Poncelet, M. Teisseire and F. Massegli (Eds.)), Chapter VII, pp.149-175, Information Science Reference (2007)
- Jie Yang, Yutaka Matsuo and Mitsuru Ishizuka: **An Augmented Tagging Scheme with Triple Tagging and Collective Filtering**, Proc. 2007 IEEE/WIC/ACM Int'l Conf. on Web Intelligence (WI07), pp.35-38, Silicon Valley, CA, USA (2007.11)
- Mostafa Al Masum Shaikh, Helmut Prendinger and Mitsuru Ishizuka: **Emotion Sensitive News Agent: An Approach Towards User Centric Emotion Sensing from the News**, Proc. 2007 IEEE/WIC/ACM Int'l Conf. on Web Intelligence (WI07), pp.614-620, Silicon Valley, CA, USA (2007.11)
- Boris Brandherm, Helmut Prendinger and Mitsuru Ishizuka: **Interest Estimation Based on Dynamic Bayesian Networks for Visual Attentive Presentation Agents** (Short paper), Proc. 9th Int'l Conf. on Multimodal Interfaces (ICMI-07), ACM Press, pp.346-349, Nagoya, Japan (2007.11)
- Werner Breiffuss, Helmut Prendinger and Mitsuru Ishizuka: **Automated Generation of Non-verbal Behavior for Virtual Embodied Characters** (Short paper), Proc. 9th Int'l Conf. on Multimodal Interfaces (ICMI-07), ACM Press, pp.319-322, Nagoya, Japan (2007.11)
- Hiroshi Dohi and Mitsuru Ishizuka: **Moving Virtual Objects Around A Human On Live Video Using The Thermo-Keying Camera**, Proc. Image Electronics and Visual Computing Workshop 2007 (IEVC-2007), Cairns, Australia (2007.11)
- A. S. M. Mahbub Morshed, Md. Shahidul Islam, Md. Abul Faisal, Md. Abdus Sattar, Mitsuru Ishizuka: **Automatic Sorting of Mails by Recognizing Handwritten Postal Codes using Neural Network Architectures**, Proc.(CD-ROM) Int'l Conf. on Computer and Information Technology (ICCIT2007), session D3, 5 pages, Dhaka, Bangladesh (2007.12)
- Mostafa Al Masum Shaikh, Helmut Prendinger and Mitsuru Ishizuka: **An Analytical Approach to Assess Sentiment of Text**, Proc.(CD-ROM) Int'l Conf. on Computer and Information Technology (ICCIT2007), session C1, 6 pages, Dhaka, Bangladesh (2007.12)
- Mostafa Al Masum Shaikh, Helmut Prendinger and Mitsuru Ishizuka: **Linguistic Interpretation of Emotions for Affect Sensing from Text**, (poster paper), Proc. (CD-ROM) 3rd Int'l Joint Conf. on Natural Language Processing (IJCNLP2008), Vol.II, pp.895-900, Hyderabad, India (2008.1)
- Naoaki Okazaki, Mitsuru Ishizuka and Jun'ichi Tsujii: **A Discrimination Approach to Japanese Abbreviation Extraction**, (poster paper), Proc. (CD-ROM) 3rd Int'l Joint Conf. on Natural Language Processing (IJCNLP2008), Vol.II, pp.889-894, Hyderabad, India (2008.1)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **A Co-occurrence Graph-based Approach for Personal Name Alias Extraction from Anchor Texts**, (poster paper), Proc. (CD-ROM) 3rd Int'l Joint Conf. on Natural Language Processing (IJCNLP2008), Vol.II, pp.865-870, Hyderabad, India (2008.1)
- Kenji Hirohata, Naoaki Okazaki, Sophia Ananiadou and Mitsuru Ishizuka: **Identification of**

- Sections in Scientific Abstracts using Conditional Random Fields**, Proc. (CD-ROM) 3rd Int'l Joint Conf. on Natural Language Processing (IJCNLP2008), Vol.I, pp.381-388, Hyderabad, India (2008.1)
- Klaus Bruegmann, Hannes Dohrn, Helmut Prendinger, Marc Stamminger and Mitsuru Ishizuka: **Phase-based Gesture Motion Parametrization and Transitions for Conversational Agents with MPML3D**, Proc. (CD-ROM) 2nd Int'l Conf. on INtelligent TEchnologies for interactive enterTAINment (INTETAIN-08), Playa del Carmen, Cancun Mexico, ACM Digital Library, (2008.1)
- Tadanobu Furukawa, Yutaka Matsuo, Ikki Ohmukai, Koki Uchiyama and Mitsuru Ishizuka: **Extracting Topics and Innovators Using Topic Diffusion Process in Weblogs**, Proc. Int'l Conf. on Weblogs and Social Media (ICWSM2008), pp.182-183, Seattle (2008.3)
- Werner Breitfuss, Helmut Prendinger and Mitsuru Ishizuka: **Automatic Generation of Gaze and Gestures for Dialogues Between Embodied Conversational Agents: System Description and Study on Gaze Behavior**, Proc. AISB 2008 Symp. on Multimodal Output Generation (MOG'08), (in conj. with the AISB Convention on Communication, Interaction and Social Intelligence), pp.18-25, Aberdeen, Scotland (2008.4)
- Yong Sun, Helmut Prendinger, Yu (David) Shi, Fand Chen, Vera Chung and Mitsuru Ishizuka: **The Hinge between Input and Output: Understanding the Multimodal Input Fusion Results in an Agent-based Multimodal Presentation System**, Proc. ACM SIGCHI Computer/Human Interaction Conference (CHI'08), Works-in-Progress, pp.3483-3488, Florence, Italy (2008.4)
- Yingzi Jin, Yutaka Matsuo and Mitsuru Ishizuka: **Ranking Entities on the Web using Social Network Mining and Ranking Learning**, Online Proc. WWW2008 Workshop on Social Web Search and Mining (SWSM2008) , 4 pages, Beijing, China (2008.4)
- Danushka Bollegala, Taiki Honma, Yutaka Matsuo and Mitsuru Ishizuka: **Identification of Personal Name Aliases on the Web**, Online Proc. WWW2008 Workshop on Social Web Search and Mining (SWSM2008) , 8 pages, Beijing, China (2008.4)
- Danushka Bollegala, Taiki Honma, Yutaka Matsuo and Mitsuru Ishizuka: **Mining for Personal Name Aliases on the Web** (poster paper), Proc. (CD-ROM) 17th Int'l World Wide Web Conf. (WWW2008), pp.1107-1108, Beijing, China (2008.4)
- Boris Brandherm, Helmut Prendinger and Mitsuru Ishizuka: **Dynamic Bayesian Network Based Interest Estimation for Visual Attentive Presentation Agents**, Proc. of 7th Int'l Conf. on Autonomous Agents and Multiagent Systems (AAMAS 2008), pp.191-198, Estoril, Portugal (2008.5)
- Boris Brandherm, Helmut Prendinger and Mitsuru Ishizuka: **Dynamic Bayesian Network Based Interest Estimation for Visual Attentive Presentation Agents**, Proc. of 7th Int'l Conf. on Autonomous Agents and Multiagent Systems (AAMAS 2008), pp.191-198, Estoril, Portugal (2008.5)
- Mitsuru Ishizuka: **A Common Concept Description of Natural Language Texts as the Foundation of Semantic Computing on the Web (ASC2008 Keynote Talk)**, Proc. IEEE Int'l Conf. on Sensor Networks, Ubiquitous, and Trustworthy Computing, p.385, Taichung, Taiwan (2008.6)
- A. S. M. Mahbub Morshed and Mitsuru Ishizuka: **ADROIT: Automatic Discourse Relation Organizer of Internet-based Text** (student abstract), Proc. 23rd AAAI Conf. on Artificial Intelligence (AAAI2008), pp.1824-1825, Chicago, Illinois (2008.7)
- Fahim Kawsar, Mostafa Al Masum Shaikh and Mitsuru Ishizuka: **Text Beautifier: An Affective-Text Tool to Tailor Written Text** (student abstract), Proc. 23rd AAAI Conf. on Artificial Intelligence

- (AAAI2008), pp.1806-1807, Chicago, Illinois (2008.7)
- Jun Karamon, Yutaka Matsuo and Mitsuru Ishizuka: **Generating Useful Network-based Features for Analyzing Social Networks**, Proc. 23rd AAAI Conf. on Artificial Intelligence (AAAI2008), pp.1162-1168, Chicago, Illinois (2008.7)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **WWW sits the SAT: Measuring Relational Similarity from the Web**, Proc. 18th European Conf. on Artificial Intelligence (ECAI2008), pp.333-337, Patras, Greece (2008.7)
- Werner Breitfuss, Helmut Prendinger and Mitsuru Ishizuka: **Automatic Generation of Gaze and Gestures for Dialogues between Embodied Conversational Agents**, Int'l Jour. of Semantic Computing, Vol.2, No.1, pp.71-90 (2008)
- Yulan Yan, Yutaka Matsuo, Mitsuru Ishizuka and Toshio Yokoi: **Annotating an Extension Layer of Semantic Structure for Natural**
- Danushka Bollegala, Taiki Honma, Yutaka Matsuo and Mitsuru Ishizuka: **Automatically Extracting Personal Name Aliases from the Web**, Advances in Natural Language Processing (Proc. 6th Int'l Conf., GoTAL 2008, Gothenburg, Sweden), Springer, LNCS 5221, pp. 77-88 (2008.8)
- Birgit Endrass, Helmut Prendinger, Elisabeth Andre and Mitsuru Ishizuka: **Creating and Scripting Second Life Bots Using MPML3D** (poster), Intelligent Virtual Agents (Helmut Prendinger, James Lester and Mitsuru Ishizuka (eds.)) (Proc. 8th Int'l Conf. IVA 2008, Tokyo), Springer, LNAI 5208, pp.492-493 (2008.9)
- Werner Breitfuss, Helmut Prendinger and Mitsuru Ishizuka: **Automatic Generation of Conversational Behavior for Multiple Embodied Virtual Characters: The Roles and Models behind Our System** (poster), Intelligent Virtual Agents (Helmut Prendinger, James Lester and Mitsuru Ishizuka (eds.)) (Proc. 8th Int'l Conf. IVA 2008, Tokyo), Springer, LNAI 5208, pp.472-473 (2008.9)
- Sebastian Ullrich, Klaus Bruegmann, Helmut Prendinger and Mitsuru Ishizuka: **Extending MPML3D to Second Life**, Intelligent Virtual Agents (Helmut Prendinger, James Lester and Mitsuru Ishizuka (eds.)) (Proc. 8th Int'l Conf. IVA 2008, Tokyo), Springer, LNAI 5208, pp.281-288 (2008.9)
- Hugo Hernault, Paul Piwek, Helmut Prendinger and Mitsuru Ishizuka: **Generating Dialogues for Virtual Agents Using Nested Textual Coherence Relations**, Intelligent Virtual Agents (Helmut Prendinger, James Lester and Mitsuru Ishizuka (eds.)) (Proc. 8th Int'l Conf. IVA 2008, Tokyo), Springer, LNAI 5208, pp.139-145 (2008.9)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **User Study of AffectIM: an Emotionally Intelligent Instant Messaging System**, Intelligent Virtual Agents (Helmut Prendinger, James Lester and Mitsuru Ishizuka (eds.)) (Proc. 8th Int'l Conf. IVA 2008, Tokyo), Springer, LNAI 5208, pp.29-36 (2008.9)
- Paul Piwek, Helmut Prendinger, Hugo Hernault and Mitsuru Ishizuka: **Generating Questions: An Inclusive Characterization and a Dialogue-based Application**, Online Proc. Workshop on the Question Generation Shared Task and Evaluation Challenge, Arlington, VA, USA (2008.9)
- Mostafa Al Masum Shaikh, Helmut Prendinger, Keikichi Hirose and Mitsuru Ishizuka: **An Approach for Ambient Communication by Detecting Real-world Activities from Environmental Sound Cues**, Proc. (CD-ROM) IADIS Int'l Conf. on WWW/Internet 2008, pp.504-507, Freiburg, Germany (2008.10)
- Sebastian Ullrich, Helmut Prendinger and Mitsuru Ishizuka: **MPML3D: Agent Authoring Language for Virtual Worlds**, Proc. Int'l Conf. on Advances in Computer Entertainment

- Technology (ACE'08), ACM Press, pp.134-137, Yokohama, Japan (2008.12)
- Yulan Yan, Yutaka Matsuo, Mitsuru Ishizuka and Toshio Yokoi: **Relation Classification for Semantic Structure Annotation of Text**, Proc. (CD-ROM) 2008 IEEE/WIC/ACM Int'l Conf. on Web Intelligence (WI'08), pp.377-380, Sydney, Australia (2008.12)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Measuring the Similarity between Implicit Semantic Relations using Web Search Engines**, Proc. (CD-ROM) 2009 Second ACM Int'l Conf. on Web Search and Data Mining (WSDM'09), pp.104-113, Barcelona, Spain (2009.02)
- Masahiro Ono and Mitsuru Ishizuka: **Prisoner's Dilemma Game on Network**, in Multi-Agent Systems for Society (Pacific Rim Int'l Workshop on Multi-Agents, PRIMA 2005, Revised Selected Papers), Springer, LNAI 4078, pp.33-44 (2009)
- Keigo Watanabe, Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **A Two-Step Approach to Extracting Attributes for People on the Web**, Online Proc. WWW2009 2nd Web People Search Evaluation Workshop (WEPS2009), 6 pages, Madrid, Spain (2009.4)
- Yulan Yan, Yutaka Matsuo and Mitsuru Ishizuka: **An Integrated Approach for Relation Extraction from Wikipedia Texts**, Online Proc. WWW2009 Workshop on Content Analysis in the WEB2.0 (CAW2.0 2009), 7 pages, Madrid, Spain (2009.4)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Measuring the Similarity between Implicit Semantic Relations from the Web**, Proc. 18th Int'l World Wide Web Conf. (WWW2009), pp.651-660, Madrid, Spain (2009.4)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **Compositionality Principle in Recognition of Fine-Grained Emotions from Texts** (poster paper), Proc. 3rd Int'l Conf. on Weblogs and Social Media (ICWSM09), pp.278-281, San Jose, California, (2009.5)
- D. Tsetserukou, A. Neviarouskaya, H. Prendinger, N. Kawakami, M. Ishizuka, and S. Tachi: **iFeel_IM! Emotion Enhancing Garment for Communication in Affect Sensitive Instant Messenger**, in Virtual and Mixed Reality - VMR2009 (Proc. HCI Int'l 2009, San Diego, USA), Springer, LNCS 5622, pp.628-637 (2009.7)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **EmoHeart: Automation of Expressive Communication of Emotions in Second Life**, in Online Communities and Social Computing - OCSC2009 (Proc. HCI Int'l 2009, San Diego, USA), Springer, LNCS 5721, pp.584-592 (2009.7)
- Hiroshi Dohi and Mitsuru Ishizuka: **A Life-Like Agent Interface System with Second Life Avatars on the OpenSimulator Server**, in Online Communities and Social Computing - OCSC2009 (Proc. HCI Int'l 2009, San Diego, USA), Springer, LNCS 5721, pp.182-190 (2009.7)
- Werner Breitfuss, Helmut Prendinger and Mitsuru Ishizuka: **Automatic Generation of Non-verbal Behavior for Agents in Virtual Worlds: A System for Supporting Multimodal Conversations of Bots and Avatars**, in Online Communities and Social Computing - OCSC2009 (Proc. HCI Int'l 2009, San Diego, USA), Springer, LNCS 5721, pp.153-161 (2009.7)
- Yingzi Jin, Yutaka Matsuo and Mitsuru Ishizuka: **Ranking Learning on the Web by Integrating Network-Based Features**, Proc. 2009 Int'l Conf. on Advances in Social Network Analysis and Mining (ASONAM'09), Athens, Greece, pp.387-392 (2009.7)
- Gersende Georg, Hugo Hernault, Marc Cavazza, Helmut Prendinger and Mitsuru Ishizuka: **Analyzing Clinical Guidelines' Content with Deontic and Rhetorical Structures**, Artificial Intelligence in Medicine (Proc. 12th Conf. on Artificial Intelligence in Medicine (AIME'09), Verona, Italy), Springer, LNAI 5651, pp.86-90 (2009.7)

- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **A Relational Model of Semantic Similarity between Words using Automatically Extracted Lexical Pattern Clusters from the Web**, Proc. 2009 Conf. on Empirical Methods in Natural Language Processing (EMNLP2009), pp.803-812, Singapore (2009.8)
- Yulan Yan, Naoaki Okazaki, Yutaka Matsuo, Zhenglu Yang and Mitsuru Ishizuka: **Unsupervised Relation Extraction by Mining Wikipedia Texts Using Information from the Web**, Proc. of Joint Conf. of 47th Annual Meeting of the Association for Computational Linguistics and 4th Int'l Joint Conf. on Natural Language Processing of the Asian Federation of Natural Language Processing (ACL-IJCNLP2009), pp.1021-1029, Singapore (2009.8)
- Alena Neviarouskaya, D. Tsetserukou, H. Prendinger, N. Kawakami, S. Tachi, and M. Ishizuka: **Emerging System for Affectively Charged Interpersonal Communication**, Proc. of ICROS-SICE Int'l Joint Conf. 2009 (ICCAS-SICE 2009), Fukuoka, Japan, pp. 3376-3381 (2009.8)
- Mostafa Al Masum Shaikh, Antonio Rui Ferreira Rebordao, Keikichi Hirose and Mitsuru Ishizuka: **Emotional Speech Synthesis by Sensing Affective Information from Text**, Proc. Int'l Conf. on Affective Computing and Intelligent Interaction (ACII 2009), Amsterdam, The Netherlands, pp.466-471 (2009.9)
- Dzimitry Tsetserukou, Alena Neviarouskaya, Helmut Prendinger, Naoki Kawakami, Mitsuru Ishizuka, and Susumu Tachi: **Affective Haptics in Emotional Communication**, Proc. Int'l Conf. on Affective Computing and Intelligent Interaction (ACII 2009), Amsterdam, The Netherlands, pp.181-186 (2009.9)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **SentiFul: Generating a Reliable Lexicon for Sentiment Analysis**, Proc. Int'l Conf. on Affective Computing and Intelligent Interaction (ACII 2009), Amsterdam, The Netherlands, pp.363-368 (2009.9)
- Werner Breiffuss, Ielka van der Sluis, Saturunino Luz, Helmut Prendinger and Mitsuru Ishizuka: **Evaluating an Algorithm for the Generation of Multimodal Referring Expression in a Virtual World: A Pilot Study**, Intelligent Virtual Agents (Proc. 9th Int'l Conf. IVA 2009, Amsterdam The Netherlands), Springer, LNAI 5773, pp.181-187 (2009.9)
- Gersende Georg, Hugo Hernault, Marc Cavazza, Helmut Prendinger and Mitsuru Ishizuka: **From Rhetorical Structures to Document Structure: Shallow Pragmatic Analysis for Document Engineering**, Proc. 9th ACM Symposium on Document Engineering (DocEng09), Munich, Germany, pp.185-192 (2009.9)
- Mostafa Al Masum Shaikh, Helmut Prendinger, Keikichi Hirose and Mitsuru Ishizuka: **Easy Living in the Virtual World: a Novel Approach to Integrate Real World Activities to Virtual Worlds**, Proc. 2009 IEEE/WIC/ACM Int'l Conf. on Intelligent Agent Technology (IAT'09), Milan, Italy, pp.466-473 (2009.9)
- Dzimitry Tsetserukou, Alena Neviarouskaya, Helmut Prendinger, Naoki Kawakami, Mitsuru Ishizuka and Susumu Tachi: **iFeel_IM: Affective Haptic Garment for Emotion Enhancement during Online Communication** (ARTECH--art demo tech. summary), Proc. ASIAGRAPH 2009, Odaiba, Tokyo, pp.145 (2009.10)
- Dzimitry Tsetserukou, Alena Neviarouskaya, Helmut Prendinger, Naoki Kawakami, Mitsuru Ishizuka and Susumu Tachi: **iFeel_IM: Affective Haptic Garment for Emotion Enhancement during Online Communication**, Proc. ASIAGRAPH 2009, Odaiba, Tokyo, pp.120-123 (2009.10)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **Semantically Distinct Verb Classes Involved in Sentiment Analysis**, Proc. IADIS Int'l Conf. on Applied Computing 2009, Rome, Italy, pp.27-34 (2009.11)

- Hiroshi Dohi and Mitsuru Ishizuka: **An Interactive Presentation System in a 3D Virtual World using an OpenSimulator Server**, Proc. Image Electronics and Visual Computing Workshop 2010 (IEVC-2010), 3A-1, Nice, France (2010.3)
- Yulan Yan, Haibo Li, Yutaka Matsuo and Mitsuru Ishizuka: **Multi-view Bootstrapping for Relation Extraction by Exploiting Web Features and Linguistic Features**, Computational Linguistics and Intelligent Text Processing (Proc. 11th Int'l Conf. CICLing 2010, Iasi, Rumania), Springer, LNCS 6008, pp.525-536 (2010.3)
- Hugo Hernault, Danushka Bollegala and Mitsuru Ishizuka: **A Sequential Model for Discourse Segmentation**, Computational Linguistics and Intelligent Text Processing (Proc. 11th Int'l Conf. CICLing 2010, Iasi, Rumania), Springer, LNCS 6008, pp.315-326 (2010.3)
- Tadanobu Furukawa, Seishi Okamoto, Yutaka Matsuo and Mitsuru Ishizuka: **Prediction of Social Bookmarking based on a Behavior Transition Model**, Proc. 2010 ACM Symposium on Applied Computing (ACM SAC 2010), Sierre, Switzerland, pp.1741-1747 (2010.3)
- Yulan Yan, Haibo Li, Yutaka Matsuo, Zhenglu Yang and Mitsuru Ishizuka: **Multi-View Clustering with Web and Linguistic Features for Relation Extraction**, Proc. 12th Asia-Pacific Web Conference (APWeb 2010), Busan, Korea, pp.140-146 (2010.4)
- Dzimitry Tsetserukou, Alena Neviarouskaya, Helmut Prendinger, Mitsuru Ishizuka, Susumu Tachi: **iFeel_IM: Innovative Real-time Communication System with Rich Emotional and Haptic Channels**, CHI Extended Abstract 2010, Atlanta, Georgia, USA, pp.3031-3036 (2010.4)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **User Study on AffectIM, and Avatar-Based Instant Messaging System Employing Rule-Based Affect Sensing from Text**, Int'l Journal of Human-Computer Studies, Elsevier, Vol.68, No.7, pp 432-450 (2010.7)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Relational Duality: Unsupervised Extraction of Semantic Relations between Entities on the Web**, Proc. 19th Int'l World Wide Web Conf. (WWW 2010), Raleigh, North Carolina, USA, pp.151-160 (2010.4)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **@AM: Textual Attitude Analysis Model**, Proc. NAACL-HLT 2010 Workshop on Computational Approaches to Analysis and Generation of Emotion in Text, ACL, Los Angeles, pp.80-88 (2010.6)
- Shohei Tanaka, Naoaki Okazaki and Mitsuru Ishizuka: **Learning Web Query Patterns for Imitating Wikipedia Articles** (Poster Paper), Proc. 23rd Int'l Conf. on Computational Linguistics (COLING 2010) -- Poster Volume, Beijing, China, pp.1229-1237 (2010.8)
- Alena Neviarouskaya, Helmut Prendinger and Mitsuru Ishizuka: **Recognition of Affect, Judgment, and Appreciation in Text**, Proc. 23rd Int'l Conf. on Computational Linguistics (COLING 2010), Beijing, China, pp.806-814 (2010.8) (**COLING 2010 Best Paper Award Finalist**)
- Tomokazu Goto, Nguyen Tuan Duc, Danushka Bollegala and Mitsuru Ishizuka: **Exploiting Symmetry in Relational Similarity for Ranking Search Results** (short paper), PRICAI 2010: Trends in Artificial Intelligence (Proc. 11th Pacific Rim Int'l Conf. on AI, Daegu, Korea, (Byoung-Tak Zhang and Mehmet A. Orgun (eds.))), Springer LNAI 6230, pp.595-600 (2010.8) (**Best Poster Award**)
- Mitsuru Ishizuka: **Exploiting Macro and Micro Relations toward Web Intelligence (Plenary Talk)**, PRICAI 2010: Trends in Artificial Intelligence (Proc. 11th Pacific Rim Int'l Conf. on AI, Daegu, Korea, (Byoung-Tak Zhang and Mehmet A. Orgun (eds.))), Springer LNAI 6230, pp.4-7 (2010.8)

- Mamdouh Farouk and Mitsuru Ishizuka: **Semantic Structure Content for Dynamic Web Pages**, Proc. Int'l Workshop on Web-Scale Knowledge Representation, Retrieval, and Reasoning (Web-KR3 2010), in conjunction with IEEE/WIC/ACM Int'l Joint Conf. on Web Intelligence and Intelligent Agent Technology (WI-IAT 2010), Toronto, Canada, pp.253-256 (2010.9)
- Haibo Li, Yutaka Matsuo and Mitsuru Ishizuka: **Relations Expansion: Extracting Relationship Instances from the Web**, Proc. IEEE/WIC/ACM Int'l Conf. on Web Intelligence (WI 2010), Toronto, Canada, pp.184-187 (2010.9)
- Nguyen Tuan Duc, Danushka Bollegala and Mitsuru Ishizuka: **Using Relational Similarity between Word Pairs for Latent Relational Search on the Web**, Proc. IEEE/WIC/ACM Int'l Conf. on Web Intelligence (WI 2010), Toronto, Canada, pp.196-199 (2010.9)
- Francisco Tacoa, Hiroshi Uchida and Mitsuru Ishizuka: **A Word Sense Disambiguation Approach for Converting Natural Language Text into a Common Semantic Description**, Proc. IEEE 4th Int'l Conf. on Semantic Computing (ICSC-2010), Pittsburgh, USA, pp.478-486 (2010.9)
- Hugo Hernault, Danushka Bollegala and Mitsuru Ishizuka: **Towards Semi-Supervised Classification of Discourse Relations using Feature Correlations**, Proc. SIGDIAL 2010 Conf., Tokyo, Japan, pp.55-58 (2010.9)
- Hugo Hernault, Danushka Bollegala and Mitsuru Ishizuka: **A Semi-Supervised Approach to Improve Classification of Infrequent Discourse Relations using Feature Vector Extension**, Proc. 2010 Conf. on Empirical Methods in Natural Language Processing (EMNLP 2010), MIT, MA, USA, pp.399-409 (2010.10)
- Haibo Li, Yutaka Matsuo and Mitsuru Ishizuka: **Semantic Relation Extraction Based on Semi-supervised Learning**, Information Retrieval Technology (Proc. 6th Asia Information Retrieval Soc. Conf. (AIRS 2010) (P. J. Cheng, M-Y. Kan, W. Lam and P. Nakov (eds.), Taipei, Taiwan), SprmivMIVmiinger, LNCS 6458, pp.270-279 (2010.12)
- Hugo Hernault, Danushka Bollegala and Mitsuru Ishizuka: **Semi-supervised Discourse Relation Classification with Structural Learning**, Computational Linguistics and Intelligent Text Processing (Proc. CICLing 2011, Tokyo, Part I) (A. Gelbulkh (ed.)), Springer, LNCS 6608, pp.340-352 (2011.2)
- Haibo Li, Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Using Graph Based Method to Improve Bootstrapping Relation Extraction**, Computational Linguistics and Intelligent Text Processing (Proc. CICLing 2011, Tokyo, Part II) (A. Gelbulkh (ed.)), Springer, LNCS 6609, pp.127-138 (2011.2)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **From Actors, Politicians, to CEOs: Domain Adaptation of Relational Extractors Using a Relational Mapping** (poster paper), Proc.(companion ver.) 20th Int'l World Wide Web Conf. (WWW2011), Hyderabad, India, pp.13-14 (2011.3)
- Mamdouh Farouk and Mitsuru Ishizuka: **Semantic Structure Content for Dynamic Web Pages**, Proc. 2011 Int'l Conf. on Semantic Technology and Information Retrieval (STAIR'11), Putrajaya, Malaysia, pp.48-52 (2011.6) (**Best Paper Award**)
- Hiroshi Dohi and Mitsuru Ishizuka: **Automatic 3-D Facial Fitting Technique for a Second Life Avatar**, Virtual and Mixed Reality -- Systems and Applications, Part II (Proc. Int'l Conf. on Human-Computer Interaction (HCII 2011), R. Shumaker (ed.), Orlando, Florida, USA), Springer LNCS 6774, pp.227-236 (2011.7)
- Nozomi Nori, Danushka Bollegala and Mitsuru Ishizuka: **Exploiting User Interest on Social Media for Aggregating Diverse Data and Predicting Interest**, Proc. 5th Int'l AAAI Conf. on

- Weblogs and Social Media (ICWSM-2011), Barcelona, Spain, pp.241-248 (2011.7)
- Nozomi Nori, Danushka Bollegala and Mitsuru Ishizuka: **Interest Prediction on Multinomial, Time-Evolving Social Graphs**, Proc. 22nd Int'l Joint Conf. on Artificial Intelligence (IJCAI-2011), Barcelona, Spain, pp.2507-2512 (2011.7)
- Yingzi Jin, Ching-Yung Lin, Yutaka Matsuo and Mitsuru Ishizuka: **Mining Longitudinal Network for Predicting Company Value**, Proc. 22nd Int'l Joint Conf. on Artificial Intelligence (IJCAI-2011), Barcelona, Spain, pp.2268-2273 (2011.7)
- Danushka Bollegala, Yutaka Matsuo and Mitsuru Ishizuka: **Relation Adaptation: Learning to Extract Novel Relations with Minimum Supervision**, Proc. 22nd Int'l Joint Conf. on Artificial Intelligence (IJCAI-2011), Barcelona, Spain, pp.2205-2210 (2011.7)
- Nguyen Tuan Duc, Danushka Bollegala and Mitsuru Ishizuka: **Cross-Language Latent Relational Search: Mapping Knowledge across Languages**, Proc. 25th AAAI Conf. on Artificial Intelligence (AAAI 2011), San Francisco, USA, pp.1237-1242 (2011.8)
- Andre Kenji Horie and Mitsuru Ishizuka: **Feature Distance-based Framework for Classification of Low-Frequency Semantic Relations**, Proc. 5th IEEE Int'l Conf. on Semantic Computing, Palo Alto, CA, USA, pp.59-66 (2011.9)
- Pascal Kuyten, Hugo Hernault, Helmut Prendinger and Mitsuru Ishizuka: **Evaluating HILDA in the CODA Project: A Case Study in Question Generation Using Automatic Discourse Analysis**, 2011 AAAI Fall Sympo. Technical Reports, FS-11-04, Arlington, Virginia, USA, pp.34-37 (2011.11)
- Ken-ichi Yokote, Shohei Tanaka and Mitsuru Ishizuka: **Effects of Using Simple Semantic Similarity on Textual Entailment Recognition**, RTE-7(Recognizing Textual Entailment) Workshop Note at Text Analysis Conf.(TAC2011), NIST, Gaithersburg, Maryland, USA (2011.11)
- Lijiang Chen, Xia Mao, Yu-Li Xue, and Mitsuru Ishizuka: **Speech Emotional Features Measured by Power-law Distribution based on Electroglottography**, BIOSIGNAL 2012 -- Proc. Int'l Conf. on Bio-inspired Systems and Signal Processing (SciTePress 2012), Vilamoura, Algarve, Portugal, pp.131-136 (2012.2)
- Mamdouh Farouk and Mitsuru Ishizuka: **Mapping DB to RDF with Additional Discovered Relations**, Proc. of the 11th WSEAS Int'l Conf. on Artificial Intelligence, Knowledge Engineering and Data Bases (AIKED'12), Cambridge, UK , pp.195-200 (2012.2)
- Mamdouh Farouk and Mitsuru Ishizuka: **An Extensible Approach for Mapping Relational DB to RDF**, Proc. of the 2012 Japan-Egypt Conf. on Electronics, Communications and Computers, Alexandria, Egypt, pp.179-183 (2012.3)
- Mamdouh Farouk and Mitsuru Ishizuka: **An Inference based Query Engine for RDF Data**, Proc. of 2012 Int'l Conf. on Information Retrieval & Knowledge Management, Kuala Lumpur, Malaysia (2012.3)
- Mamdouh Farouk and Mitsuru Ishizuka: **A Rule-based SPARQL Endpoint Wrapper** (poster), Proc. 8th Int'l Conf. on Web Information Systems and Technologies (WEBIST 2012), Porto, Portugal, pp.729-732 (2012.4)
- Mamdouh Farouk and Mitsuru Ishizuka: **Converting DB to RDF with Additional Defend Rules**, Proc. 8th Int'l Conf. on Web Information Systems and Technologies (WEBIST 2012), Porto, Portugal, pp.709-716 (2012.4)
- Mamdouh Farouk and Mitsuru Ishizuka: **CDL-based Semantic Representation for Web Databases**, Proc. 2nd Annual Int'l Conf. on Web Technologies & Internet Applications (WebTech

2012), Bali, Indonesia, p p.56-60 (2012.5) [**Best Research Paper Award**]

Ken-ichi Yokote, Danushka Bollegala and Mitsuru Ishizuka: **Similarity Is Not Entailment -- Jointly Learning Similarity Transformations for Textual Entailment**, Proc. 26th AAAI Conf. on Artificial Intelligence (AAAI 2012), Toronto, Canada, pp.1720-1726 (2012.7)

Mitsuru Ishizuka: **Textual Affect Sensing and Affective Communication (Keynote Talk)**, Proc. 11th IEEE Int'l Conf. on Cognitive Informatics & Cognitive Computing (ICCI*CC 2012), Kyoto, pp.2-3 (2012.8)

Pascal Kuyten, Timothy Bickmore, Svetlana Stoyanchev, Paul Piwek, Helmut Prendinger, and Mitsuru Ishizuka: **Fully Automated Generation of Question-Answer Pairs for Scripted Virtual Instruction**, in Intelligent Virtual Agents, Springer LNCS 7502 (Proc. 12th Int'l Conf. on Intelligent Virtual Agents (IVA'12), Santa Cruz, USA), pp.1-14 (2012.9)

Francisco Tacao, Danushka Bollegala and Mitsuru Ishizuka: **A Context Expansion Method for Supervised Word Sense Disambiguation** (poster paper), Proc. IEEE 6th Int'l Conf. on Semantic Computing (ICSC 2012), Palermo, Italy, pp.339-341 (2012.9)

Hiroshi Dohi and Mitsuru Ishizuka: **An Interactive 3D Avatar Platform on the OpenSim Server Controlled with IronPython Language**, Proc. Image Electronics and Visual Computing Workshop 2012 (IEVC-2012), 1C-5, Kuching, Malaysia (2012.11)

Shohei Tanaka, Naoaki Okazaki, and Mitsuru Ishizuka: **Acquiring and Generalizing Causal Inference Rules from Deverbal Noun Constructions** (poster paper), Proc. Int'l Conf. on Computer Linguistics (COLING 2012), Mumbai, India, pp.1209-1218 (2012.12)

Andre Kenji Horie, Kumiko Tanaka-Ishii, and Mitsuru Ishizuka: **Verb Temporality Analysis using Reichenbach's Tense System** (poster paper), Proc. Int'l Conf. on Computer Linguistics (COLING 2012), Mumbai, India, pp.471-482 (2012.12)

<国内シンポジウム・研究会・全国大会論文(査読なし)>

多数あり。(省略させていただきます)

<特許出願>

石塚満 (日本電信電話公社): 「疑似ランダム雑音系列同期回路」, 特許出願 昭 52-76457, 昭和 52 年 6 月 29 日; 特許 第 1336039 (昭 61.9.11)

平出賢吉, 石塚満 (日本電信電話公社): 「遅延検波器」, 特許出願 昭 52-89013, 昭和 52 年 7 月 25 日; 特許 第 1154650 (昭 58.7.15)

石塚満 (日本電信電話公社): 「デジタル周波数変調器」, 特許出願 昭 52-101754, 昭和 52 年 8 月 26 日; 特許 第 1200881 (昭 59.4.5)

平出賢吉, 石塚満 (日本電信電話公社): 「デジタル角度変調波遅延検波器」, 特許出願 昭 52-110460, 昭和 52 年 9 月 16 日; 特許 第 1149728 (昭 58.6.14)

石塚満, 平出賢吉 (日本電信電話公社): 「デジタル移動通信用位置検出法」, 特許出願 昭 53-15136, 昭和 53 年 2 月 13 日; 特許 第 1134375 (昭 58.2.14)

安田靖彦, 飯田一朗, 尾上守夫, 石塚満:「優先権付加通信制御方式」, 特許出願 昭 56-125309, 昭和 56 年 8 月 12 日

松尾豊, 石塚満:「データからの特徴アイテム抽出方法」, 特許出願 2001-254905, 2001 年 8 月 24 日

ボレガラ ダヌシカ, グェン トアン ドック, 石塚満:「検索方法及びシステム」, 特許出願 2009-275762, 2009 年 12 月 3 日

ボレガラ ダヌシカ, 石塚満:「テキストコーパスにおける 2 つのエンティティ間の関係抽出方法及び装置」, 特許出願 2010-096551, 2010 年 4 月 20 日

研究費

〈科研費以外の研究費〉(代表者分のみ)

- ・ 郵政省・電気通信フロンティア研究「不完全な知識を扱う知識ベース技術(1988)」,「仮説推論システムの高速度化技術の研究(1989)」,「高次人工知能機能を有する知識ベースの研究(1990)」,「仮説推論知識ベースの学習機能による高速化の研究(1991)」,「知識ベース・コンパイルによる高速推論法の研究(1992)」
- ・ 郵政省・電気通信フロンティア研究・ヒューマンインタフェース「自然感の高い擬人化エージェントによるヒューマンインタフェース(1993-96)」,「擬人化エージェントによるネットワーク化情報空間のヒューマンインタフェース(1997)」
- ・ NEDO 提案公募型・重点分野研究開発事業「先進ヒューマンインタフェースとしての擬人化エージェントシステム」(1996-97) [総額 4560 万円]
- ・ 文科省・創成的基礎研究費「人間主体のマルチメディア環境形成のための情報媒介機構の研究(代表者:坂内正夫)」の「ネットワーク型情報媒介システム」サブリーダー(1997-2001)
- ・ 未来開拓学術研究(文科省・日本学術振興会)「マルチモーダル擬人化インタフェースとその感性基盤機能」(2000-04) [総額 4.3 億円]
- ・ 総務省・戦略的情報通信研究開発推進制度(SCOPE)・国際技術獲得型研究開発領域「CDL(Concept Description Language)の仕様策定と標準化」(2005-07)

〈科研費・一般/基盤研究〉(代表者分のみ)(<http://kaken.nii.ac.jp/d/r/50114369.ja.html>)

- ・ 一般研究 C「知識型 VLSI パターン設計システムの構成と推論機能に関する研究」(1986)
- ・ 一般研究 B「深い知識としての立体モデルを融合した知識型 3 次元ビジョンシステム」(1988-89)
- ・ 一般研究 B「不完全知識を操作し高次知能機能を実現する知識ベースに関する研究」(1990-91)
- ・ 一般研究 B「知識ベース・コンパイルによる新しい高速推論技術」(1992-93)
- ・ 一般研究 B「多項式時間で準最適解を計算する仮説推論手法」(1994-95)
- ・ 試験研究 B「自然感の高い知的擬人化エージェントによるヒューマンインタフェースの構築」(1994-95)
- ・ 基盤研究 B「WWW 非均質情報空間のページ意味理解に基づく組織化の研究」(1998-99)
- ・ 基盤研究 B「ネットワーク化情報環境における知的擬人化インタフェースエージェントシステム」(1998-99)
- ・ 基盤研究 C「自然言語に近い表現形式で推論機能を有する概念化学知識表現(CCR)」(2001-03)
- ・ 基盤研究 A「テキスト処理を基盤とする Web 知能化」(2004-06)
- ・ 基盤研究 A「自然言語意味概念の共通的記述に基づく次世代 Web 基盤環境構築とその知能化機能」(2007-09)

- ・基盤研究 B「テキスト中のエンティティ間関係に注目するウェブ知能化機能」(2011-12)

土肥 浩 研究代表者

- ・奨励研究 A「並列プロセッサによる自律分散的な動画像生成」(1994)
- ・奨励研究 A「知的擬人化エージェントとデータベースの統合に関する研究」(1995)
- ・奨励研究 A「WWW/Mosaic と結合したビジュアルソフトウェアエージェント」(1996)
- ・奨励研究 A「ネットワーク型知的擬人化エージェントインタフェースの研究」(1998-99)
- ・基盤研究 C「2 軸旋回型ディスプレイを用いたインタラクティブ・インフォメーションシステムの構築」(2000-01)

<科研費・特定/重点領域/特定領域研究>

- ・特定研究「多元知識情報の知的処理と統合化に関する総括的研究(代表：福村晃夫)」 計画班「多元知識ベースの構造に関する研究(代表：大須賀節雄)」 分担者(1985-86)
- ・重点領域「人間－機会・システム協調のための高次コミュニケーションに関する基礎的研究(代表：野口正一)」 公募研究「常識機能を実現するための不完全性を含む知識構造と操作メカニズムの研究」(1988), 公募研究「常識機能を実現するための不完全性を含む知識構造と操作メカニズムの研究」(1989)
- ・重点領域研究「知識科学における概念形成と知識獲得(代表：大須賀節雄)」 計画班「人間と機械における学習・推論と認知プロセスに関する研究(代表：稲垣康善)」 分担者(1990)
- ・重点領域研究「知識科学における概念形成と知識獲得(代表：大須賀節雄)」 計画班「概念形成・知識獲得過程の理論化(代表：有川節夫)」 分担者(1991-93)
- ・重点領域研究「感性情報処理の情報学・心理学的研究(代表：辻三郎)」 計画班「メディアにおける感性情報の抽出・表現(代表：井口征士)」 分担者(1992-94)
- ・特定領域研究「高品質音声合成のための韻律制御(代表：広瀬啓吉)」 計画班 分担者(2001-03)
- ・特定領域研究「情報爆発時代に向けた新しい IT 基盤技術の研究(代表：喜連川優)」 公募研究「自然言語意味概念記述言語 CDL による次世代知能化 Web 基盤」(2006), 「自然言語意味概念の共通的記述言語による次世代知能化 Web 基盤」(2007-08), 「自然言語テキスト意味概念の共通的記述による Web 意味計算基盤」(2009-10)

<生産技術研究所・選定研究>

- ・知識工学における不確実性を扱う推論機構をもつエキスパートシステムの研究(1982)
- ・知識型 VLSI パターン設計システムの開発(1985)
- ・不完全な知識の操作により高次人工知能機能を実現する知識ベース・アーキテクチャ(1988)

〈財団等からの研究助成〉

- ・ (財)KDDI エンジニアリング・アンド・コンサルティング(1988)
- ・ (財)情報科学技術国際財団 (1989)
- ・ (財)村田学術振興財団 (1991)
- ・ (財)カシオ科学振興財団 (1991)
- ・ (財)旭硝子財団 (1993)
- ・ (財)人工知能研究振興財団 (1993)
- ・ (財)大川情報通信基金 (1994)
- ・ Google Research Award (2011)

〈共同研究・受託研究（奨学寄附を含む）〉 ― 複数回も単一としている

- ・ (株)リコー
- ・ (株)三菱総合研究所
- ・ 日商岩井(株)
- ・ (財)新世代コンピュータ技術開発機構(ICOT) / (財)日本情報処理開発協会
- ・ 新日鉄(株)
- ・ 富士通研究所
- ・ 富士電機(株)
- ・ 富士ファコム制御(株)
- ・ (株)東芝
- ・ 日産自動車(株)
- ・ 日本電気(株)
- ・ NTT
- ・ (株)NTT ドコモ
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秘書

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博士課程 {()内は修了年} 42名

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修士課程 {()内は修了年} 83名

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田中翔平('12), 山口清弘('12), 則のぞみ('12), 大和田裕亮('13), 稲垣隆史('13),
能地 宏('13), Pascal Kuyten('13)

研究員・交換留学生など {()内は最終年} 27名

高木 清('83), Kjell Brunnstrom('87), 山本勝義('87), 青山正弘('88), 大澤史朋('88),
金 東鎬('88), 小池大介('89), 増田 潔('89), 韋 偉('89), 門脇修司('90), Aran K. Pujari('90),
佐藤武雄('91), 鶴田三郎('91), 石川 操('93), 小松 寿('94), 二階堂信夫('96), 高橋秋典('97),
李 寛容('99), Juan Liu('02), Istvan Barakonyi('02), Sonja Mayer('03), 毛 峽('04),
Maxim S. Loukianov('04), 馬 春玲('05), Will A. Arentz('05), Sidiq Syamsul Hidayat('06),
Petri Kivikangas('12)

卒論 {()内は卒業年} 82名

高間康史, 鈴木雅之, 森川郁也, 橋本友久('94), 斎藤逸郎, 森 真史, 河村貴弘, 林 篤('95),
伊藤政宏, 掛川智央, 杉田 透, 原田 晋, 石田賢三('96), 福田茂紀, 夏目貴史, 松尾 豊,
山田 仁, 久保田仙('97), 棚橋一也, 松下康之, 山形健郎, 猪股健太郎, 宗 元('98),
安藤 晋, 飯島光晴, 加賀谷潤, 鎌田大樹, 佐々木崇, 平 博司, 徳井直生, 友部教博,
三田英之('99), 何 斌達(安永達矢), 坂本栄里奈, 日比啓文, 松崎 朗('00), 岡崎直観,
長竹 宏, 松岡文吾, 森田拓磨, ギャン・イーセン('01), 綾 聡平, 柴田知秀, 福田隼人,
堀本和秀('02), 浅田洋平, 藤村 滋, Juli Yustinus, 丹波秀紀('03), 川原尊徳, 木田信雄('04),
Danushka Bollegala, 小林大祐, 真川 純, 鷺田 基('05), 辻下卓見, 近藤雄飛, 楠戸健一郎,
松田隆広('06), 広畑堅治, 川上 徹('07), 古谷康典, 菅原久嗣, 渡部啓吾('08), 井口宜久,
千葉大輝('09), 田中翔平, 白石卓也, 宇野雄介('10), 稲垣隆史, 川崎 翔, 岡島周作('11),
落合伸彦, 信田頼宏, 堀内暢之, 横手健一, 平嶋一貴('12), 新谷良太, 砂川健一,
田中維人, 西野兼治('13)

(海外からの留学生, 在籍者の国籍) 合計 60名

中国 19, タイ 3, 韓国 3, 台湾 2, ベトナム 2, マレーシア 2,
バングラデシュ 2, インドネシア 2, スリランカ 1, シンガポール 1, インド 1,
エジプト 1,
フランス 3, オーストリア 2, ハンガリー 1, ポーランド 1, ベラルーシ 1,
オランダ 1, ロシア 1, スペイン 1, ドイツ 1, スウェーデン 1, ノルウェー 1,
フィンランド 1,
ブラジル 3, ペルー 1, メキシコ 1, ベネズエラ 1