

業績リスト

リスト内の《 》表記は、オンラインジャーナル等の論文番号およびそれに関連する情報を示すものです。

広域システム科学系

新井 祥穂 (Sachiho Arai)

新井 祥穂. 沖縄におけるサトウキビ関連政策と農家の対応—新価格制度への考察. 農村と都市をむすぶ, **662**, 35-45, 2006.

荒井 良雄 (Yoshio Arai)

荒井 良雄. 著本 健二. 流通空間の再構築. 1-236. 古今書院(東京). 2007.

池上 高志 (Takashi Ikegami)

Ikegami, T., Simulating Active Perception and Mental Imagery with Embodied Chaotic Itinerancy. *Journal of Consciousness Studies*, Vol.14, 111-125, 2007.

Fukui S., Fukatsu T., Ikegami T., Shimada M. Endosymbiosis as a compact ecosystem with material cycling: parasitism or mutualism? *J. Theor. Biol.* **246**(4), 746-754i, 2007.

Sasahara, K. Ikegami, T. Evolution of Birdsong Syntax by Interjection Communication. *Artificial Life*, **13**, 1-19, 2007.

Ikegami, T. Iizuka, H. Turn-taking Interaction as a Cooperative and Co-creative Process. *Infant Behavior and Development*, **30**, 278-288, 2007.

Hanczyc, M., Toyota, T., Ikegami, T., Packard, N., Sugawara, T. Chemistry at the oil-water interface: Self-propelled oil droplets. *J. Am. Chem. Soc.* **129**(30), 9386-9391, 2007.

Matsuno, H., Hanczyc, Martin M., Ikegami, T. Selfmaintained Movements of Droplets with Convection Flow. *ACAL*, 179-188, 2007.

Uno, R., Marocco, D., Stefano Nolfi, S., Ikegami, T. Transition from Imperatives to Declaratives in Artificial Communicating Systems. Workshop Social Learning in Embodied Agents in 9th European Conference on Artificial Life, Lisbon, Portugal. September 10-14, 2007.

Uno, R., Ikegami, T. Two Types of Speaker Involvement Scales and Causal Connectives in Japanese. 10th International Cognitive Linguistic Conference, Handbook, 277-278, 2007.

Nakajima, K., Shinkai, S., Ikegami, T. Formal Model of Embodiment on Abstract Systems: From Hierarchy to Heterarchy. *ECAL*, 1110-1119, 2007.

Aucoutier, J., Ogai, Y., Ikegami, T. Making a robot dance to music using chaotic itinerancy in a network of FitzHugh-Nagumo neurons, Proc. of the 14th Int'l Conf. on Neural Informaiton. Processing, 2007.

Saito, A., Taiji, M., Ikegami, T. Dynamical Singularities in Online Learning of Recurrent Neural Networks. *FOCI*, 174-179, 2007.

池上 高志. 「動きが生命をつくる: 生命と意識への構成論的アプローチ」(青土社, 2007年9月).

池上 高志. 「身体化された記号: シンボルグラウンディング問題」(生命システムをどう理解するか)(浅島誠編集, 共立出版 2007) 題11章および第3部.

磯崎 行雄 (Yukio Isozaki)

Isozaki, Y., Kawahata, H., Minoshima, K. The Capitanian (Permian) Kamura cooling event: the beginning of the Paleozoic-Mesozoic transition. *Palaeoworld*, **16**, 16-30, 2007.

Isozaki, Y., Shimizu, N., Yao, J.X., Ji, Z.S., and Matsuda, T. The end-Permian extinction and volcanism-induced environmental stress: Permo-Triassic boundary interval of a lower slope facies at Chaotian, South China. *Palaeogeogr. Palaeoclim. Palaeoecol.* **252**, 218-238, 2007.

Ji, Z.S., Yao, J.X., Isozaki, Y., Matsuda, T., and Wu, G.S. Conodont biostratigraphy across the Permian-Triassic boundary at Chaotian in northern Sichuan, China. *Palaeogeogr. Palaeoclim. Palaeoecol.* **252**, 39-55, 2007.

Kawai, T., Windley, B.F., Terabayashi, M., Yamamoto, H., Maruyama, S., and Isozaki, Y. Reply to discussion by Jack Treagus on "Mineral isograd and zones of the Anglesey blueschist belt, UK: implications for the metamorphic development of a Neoproterozoic subduction-accretion complex. *Jour. Metamorph. Geol.*, **24**, 591-602." *Jour. Metamorph. Geol.* **25**, 509-510, 2007.

Ota T., Utsunomiya A., Uchio Y., Isozaki Y., Buslov M.M., Ishikawa A., Maruyama S., Kitajima K., Kaneko Y., Yamamoto H. and Katayama I. Geology of the Gorny Altai subduction-accretion complex, south of Siberia: Tectonic evolution of an intra-oceanic arc in the Vendian-Cambrian Pacific. *Jour. Asian Earth Sci.* **30**, 666-695, 2007.

Isozaki, Y. and Ota, A. Reply to discussion (Fusuline biotic turnover across the Guadalupian-Lopingian (Middle-Upper Permian) boundary in mid-oceanic carbonate buildups: Biostratigraphy of accreted limestone in Japan. *Jour. Asia. Earth Sci.* **26**, 353-368. *Jour. Asia. Earth Sci.* **30**, 201-203, 2007.

Kawai, T., Windley, B.F., Terabayashi, M., Yamamoto, H., Maruyama, S., and Isozaki, Y. Geotectonic framework of the blueschist unit on Anglesey-Llyn UK, and its role in the development of a Neoproterozoic accretionary orogen. *Precambrian Research*, **153**, 11-28, 2007.

Isozaki, Y., Kawahata, H. and Ota, A. A unique carbon isotope record across the Guadalupian-Lopingian (Middle-Upper Permian) boundary in mid-oceanic paleoatoll carbonates: the high-productivity "Kamura event" and its collapse in

- Panthalassa. *Global Planetary Change*, **55**, 21–38, 2007.
- Musashi, M., Isozaki, Y., Koike, T. and Kreulen, R. Carbon isotope study on mid-Panthalassa shallow-water limestone across the Permo-Triassic boundary: Reassessment. Wong, T.E. (ed.) Proc. XVth Int. Congress of Carboniferous and Permian stratigraphy. *Royal Netherlands Acad. Art. Sci. Spec. Publ.* 131–138, 2007.
- Isozaki, Y. Guadalupian-Lopingian boundary event in mid-Panthalassa: correlation of accreted deep-sea chert and mid-oceanic atoll carbonate. Wong, T.E. (ed.) Proc. XVth Int. Congress of Carboniferous and Permian stratigraphy. *Royal Netherlands Acad. Art. Sci., Spec. Publ.* 111–124, 2007.
- Ueno, Y., Yamada, K., Yoshida, N., Maruyama, S. and Isozaki, Y. Abiotic constraints on early life?: Reply. *Nature*, **444**, E18–E19, 2006.
- 磯崎 行雄. 日本の地質学者は何時から愛をなくしてしまったのか? 日本地質学会News誌 **10**, no.11, 11-16, 2007.
- Isozaki, Y. Plume Winter scenario for biosphere catastrophe: the Permo-Triassic boundary case. Yuen, D., Maruyama, S., Karato, S. and Windley, B.F. (eds.), *Superplume: beyond plate tectonics*, pp.409–440, Springer, 2007.
- 磯崎 行雄. 地球は「やさしい惑星」か-生命の絶滅と進化. 東京大学教養学部編「高校生のための東大授業ライブ」, 東大出版会(東京), 66–79, 2007.

伊藤 元己 (Motomi Ito)

- Yoshitake, H. and Ito, M. A new genus and species of the tribe Mecysmoderini from Japan, with comments on the subgenus *Coelioderes* (Coleoptera: Curculionidae: Ceutrophynchinae). *Ent. Rev. Japan*, **62**, 75–86, 2007.
- Hirayama, Y., Yamada, T., Oya, Y., Ito, M., Kato, M., Imaichi, R. Expression patterns of class I KNOX and YABBY genes in *Ruscus aculeatus* (Asparagaceae) with implications for phylloclade homology. *Dev. Genes Evol.* **217**, 363–372, 2007.
- Ebihara, A., Dubuisson, J.-Y., Iwatsuki, K., Hennequin, S. and Ito, M. A taxonomic revision of Hymenophyllaceae. *Blumea*, **51**, 221–280, 2006.
- 伊藤 元己, 神保 宇嗣, 吉武 啓. DNAバーコーディング — 新たな生物多様性研究手法. 生物の科学「遺伝」**61**, 42–47.
- 伊藤 元己. 花器官を決めるABCモデル. 生物の科学「遺伝」**61**, 118–121.

植田 一博 (Kazuhiro Ueda)

- Doi, H. & Ueda, K. Searching for a perceived stare in the crowd. *Perception*, **36**, 773–780, 2007.
- Okada, T., Yokochi, S., Ishibashi, K., Namba, K. & Ueda, K. Analogical Modification in the Creation of Contemporary Art. *Publication Series of the Institute of Cognitive Science*, **5**, 47–50, 2007.
- 岡田 猛, 横地 早和子, 難波 久美子, 石橋 健太郎, 植田 一博. 現代美術の創作における「ずらし」のプロセスと創作ビジョン. 認知科学, **14**, 303–321, 2007.
- 清河 幸子, 伊澤 太郎, 植田 一博. 洞察問題解決に試行と他者観察の交替が及ぼす影響. 教育心理学研究, **55**, 255–265, 2007.
- Xu, Y., Ueda, K., Komatsu, T., Okadome, T., Sumi, Y. & Nishida, T. Can gesture establish an independent communication channel? *Proceedings of the International Conference on Control, Automation and System*, 1110–1115, 2007.
- Komatsu, T., Ohtsuka, S., Ueda, K. & Komeda, T. Comprehension of Users' Subjective Interaction States during Their Interaction with an Artificial Agent by Means of Heart Rate Variability Index. *Lecture Notes in Computer Science (Proceedings of the Second International Conference on Affective Computing and Intelligent Interaction)*, **4378**, 266–277, 2007.
- Tamura, H., Sugasaka, T., Horikawa, S. & Ueda, K. Designing Ubiquitous Shopping Support Systems Based on Human-Centered Approach. *Lecture Notes in Computer Science (Proceedings of the 4th International Conference on Universal Access in Human-Computer Interaction)*, **4555**, 218–227, 2007.
- Miwa, K. & Ueda, K. Relation between Investors' Behavioral Biases and the Usefulness of Trading Volume. *Proceedings of the 6th International Conference of Computational Intelligence on Economics and Finance*, 254–266, 2007.
- Kiyokawa, S., Ueda, K. & Okada, T. Effects of other-generated hypothesis on hypothesis revision. *Proceedings of the 2nd European Cognitive Science Conference*, 184–189, 2007.
- Ueda, K., Konno, M., Fukuda, H. & Suzuki, H. (2007). Brain Mechanism for Insight Problem-solving: A NIRS Study. *Proceedings of Cognitive Neuroscience 2007 Annual Meeting*, 270, 2007.
- 植田 一博. 決定版 株価・為替が読めるチャート分析(林 康史 著)の解説. 247–253. 日経ビジネス文庫. 2007.
- 植田 一博. 一認知科学者からのゲーム研究への要望: 創刊のお祝いにかえて. デジタルゲーム学研究, **1**, 8–9, 2007.

上野 宗孝 (Munetaka Ueno)

- Ueno, M., Ishiguro, M., Usui, F., Nakamura, R., Ootsubo, T., Miura, N., Sarugaku, Y., Kwon, S. M., Hong, S.S., Mukai, T., WIZARD- A New Observation System of the Zodiacal Light Dust in Planetary Systems, ed. Kruger, H. & Graps, A., ESA Publications, SP-643, pp. 197–200, 2007.
- Miura, N., Ishiguro, M., Sarugaku, Y., Usui, F., Ueno, M. A CCD Search for the Dust Trail of Draconid Parent Comet 21P/Giacobini-Zinner Dust in Planetary Systems, ed. Kruger, H. & Graps, A., ESA Publications, SP-643, pp. 23–26, 2007.
- Miura, N., Ishiguro, M., Sarugaku, Y., Ueno, M. New Approach to the Study of Non-gravitational Motion of Comet Normal to the Orbital Plane. *Pub. Astro. Soc. Japan*, vol.59, No.2 pp. L7–10, 2007.
- Sarugaku, Y., Ishiguro, M., Pyo, J., Miura, N., Nakada, Y., Usui, F. and Ueno, M. Detection of a Long-Extended Dust Trail

業績リスト

- Associated with Short-Period Comet 4P/Faye in 2006 Return Publ. Astron. Soc. Japan 59, pp.L25-L28, 2007.
- Ishiguro, M., Sarugaku, Y., Ueno, M., Miura, N., Usui, F., M.-Y. Chun, S.M. Kwon. Dark red debris from three short-period comets: 2P/Encke, 22P/Kopff, and 65P/Gunn Icarus, Volume 189, Issue 1, p. 169-183, 2007.
- Nakamura, M., Imamura, T., Ueno, M., Iwagami, N., Satoh, T., Watanabe, S., Taguchi, M., Takahashi, Y., Suzuki, M., Abe, T., Hashimoto, G.L., Sakanoi, T., Okano, S., Kasaba, Y., Yoshida, J., Yamada, M., Ishii, N., Yamada, T., Uemizu, K., Fukuhara, T., Oyama, K. Planet-C: Venus Climate Orbiter mission of Japan, Planetary and Space Science, 55, issue12, pp. 1831-1842, 2007.
- Murakami, H., Baba, H., Barthel, P., Cohen, M., Doi, Y., Enya, K., Figueredo, E., Fujishiro, N., Fujiwara, M., Garcia-Lario, P., Goto, T., Hasegawa, S., Hirao, T., Hong, S.S., Imai, K., Ishihara, D., Ita, Y., Jeong, W.-S., Jeong, K.-S., Kaneda, H., Kataza, H., Kawada, M., Kawamura, A., Kester, D.J.M., Kessler, M.F., Kii, T., Kim, D.C., Kim, W., Koo, B.-C., Kwon, S.M., Lee, H.M., Makiuti, S., Mutsuhara, H., Matsumoto, T., Matsuo, H., Matsuura, S., Muller, T.G., Murakami, N., Nagata, H., Nakagawa, T., Naoi, T., Narita, M., Noda, M., Oh, S., Ohyama, Y., Okada, Y., Okuda, H., Oliver, S., Onaka, T., Ootsubo, T., Oyabu, S., Pak, S.J., Park, Y.-S., Pearson, C.P., Rowan-Robinson, M., Sakon, I., Salama, A., Savage, R.S., Serjeant, S., Shibai, H., Shirahata, M., Sohn, J.J., Suzuki, T., Takagi, T., Takahashi, H., Tanabe, T., Uemizu, K., Ueno, M., Usui, F., Wada, T., White, G.J., Yamamura, I., Yamauchi, C., Wang, L., Watabe, T., Watarai, H. The Infrared Astronomical Mission AKARI, Publ. Astron. Soc. Japan 59, pp.369-376, 2007.
- Onaka, T., Matsuhara, H., Wada, T., Fujishiro, N., Fujiwara, H., Ishigaki, M., Ishihara, D., Ita, Y., Kataza, H., Kim, W., Matsumoto, T., Murakami, H., Ohyama, Y., Oyabu, S., Sakon, I., Tanabe, T., Takagi, T., Uemizu, K., Ueno, M., Usui, F., Watarai, H., Cohen, M., Enya, K., Ootsubo, T., Pearson, C.P., Takeyama, N., Yamamuro, T., Ikeda, Y. The Infrared Camera (IRC) for AKARI, Publ. Astron. Soc. Japan 59, pp. 401-410, 2007.
- Ohyama, Y., Onaka, T., Matsuhara, H., Wada, T., Kim, W., Fujishiro, N., Uemizu, K., Sakon, I., Cohen, M., Ishigaki, M., Ishihara, D., Ita, Y., Kataza, H., Matsumoto, T., Murakami, H., Oyabu, S., Tanabe, T., Takagi, T., Ueno, M., Usui, F., Watarai, H., Pearson, C.P., Takeyama, N., Yamamuro, T., Ikeda, Y. Near-Infrared and Mid-Infrared Spectroscopy with the Infrared Camera (IRC) for AKARI, Publ. Astron. Soc. Japan 59, pp.411-422, 2007.
- Ita, Y., Tanabe, T., Matsunaga, N., Nakada, Y., Matsuura, M., Onaka, T., Matsuhara, H., Wada, T., Fujishiro, N., Ishihara, D., Kataza, H., Kim, W., Matsumoto, T., Murakami, H., Ohyama, Y., Usui, F., Oyabu, S., Sakon, I., Takagi, T., Uemizu, K., Ueno, M., Watarai, H. AKARI Observations of Circumstellar Dust in the Globular Clusters NGC104 and NGC362, Publ. Astron. Soc. Japan 59, pp. 437-442, 2007.
- Ishihara, D., Onaka, T., Kaneda, H., Suzuki, T., Kataza, H., Sakon, I., Okada, Y., Doi, Y., Fujishiro, N., Fujiwara, H., Ita, Y., Kii, T., Kim, W., Makiuti, S., Matsumoto, T., Matsuhara, H., Murakami, H., Nakagawa, T., Ohyama, Y., Oyabu, S., Stephen, S., Shibai, H., Takagi, T., Tanabe, T., Uemizu, K., Ueno, M., Usui, F., Wada, T., Watarai, H. AKARI Infrared Imaging of Reflection Nebulae IC4954 and IC4955, Publ. Astron. Soc. Japan 59, pp.443-454, 2007.
- Sakon, I., Onaka, T., Wada, T., Ohyama, Y., Matsuhara, H., Kaneda, H., Ita, Y., Ohyabu, S., Kataza, H., Fujishiro, N., Ihara, C., Ishigaki, M., Ishihara, D., Kim, W., Okada, Y., Takagi, T., Tanabe, T., Uemizu, K., Ueno, M., Usui, F., Watarai, H., Koo, B.-C., Serjeant, S., Nakagawa, T., Matsumoto, T., Murakami, H. Properties of UIR Bands in NGC6946 Based on Mid-Infrared Imaging and Spectroscopy with the Infrared Camertra on Board AKARI, Publ. Astron. Soc. Japan 59, pp.459-483, 2007.
- Oyabu, S., Wada, T., Ohyama, Y., Matsuhara, H., Takagi, T., Nakagawa, T., Onaka, T., Fujishiro, N., Ishihara, D., Ita, Y., Kataza, H., Kim, W., Matsumoto, T., Murakami, H., Sakon, I., Tanabe, T., Uemizu, K., Ueno, M., Usui, F., Watarai, H., Haze, K. Detection of an H α Emission Line on a Quasar, RX J1759.4+6638, at $z=4.3$ with AKARI, Publ. Astron. Soc. Japan 59, pp.497-501, 2007.
- Wada, T., Oyabu, S., Ita, Y., Matsuhara, H., Pearson, C.P., Onaka, T., Ohyama, Y., Usui, F., Fujishiro, N., Ishihara, D., Kataza, H., Kim, W., Matsumoto, T., Murakami, H., Sakon, I., Tanabe, T., Takagi, T., Uemizu, K., Ueno, M., Watarai, H. The Infrared Camera (IRC) Deep Survey in the Performance Verification Phase Publ. Astron. Soc. Japan 59, pp.515-528, 2007.
- Lee, H.M., Im, M., Wada, T., Shim, H., Kim, S.J., Lee, M.G., Hwang, N., Matsuhara, H., Nakagawa, T., Takagi, T., Oyabu, S., Pearson, C.P., Onaka, T., Fujishiro, N., Hanami, H., Ishihara, D., Ita, Y., Kataza, H., Kim, W., Matsumoto, T., Murakami, H., Ohyama, Y., Sakon, I., Tanabe, T., Uemizu, K., Ueno, M., Usui, F., Watarai, H. Nature of Infrared Sources in 11 μ m Selected Sample from Early Data of AKARI North Ecliptic Pole Deep Survey, Publ. Astron. Soc. Japan 59, pp.529-542, 2007.
- Matsuhara, H., Wada, T., Pearson, C.P., Oyabu, S., Im, M., Imai, K., Takagi, T., Kang, E., Hwang, N., Jeong, W.-S., Lee, H.M., Lee, M.G., Pak, S.J., Serjeant, S., Nakagawa, T., Hanami, H., Inami, H., Onaka, T., Fujishiro, N., Ishihara, D., Ita, Y., Kataza, H., Kim, W., Matsumoto, T., Murakami, H., Ohyama, Y., Sakon, I., Tanabe, T., Uemizu, K., Ueno, M., Watarai, H. Optical Identification of 15 Micron Sources in the AKARI Performance Verification Field toward the North Ecliptic Pole, Publ. Astron. Soc. Japan 59, pp.543-555, 2007.
- Takagi, T., Matsuhara, H., Wada, T., Oyabu, S., Imai, K., Pearson, C.P., Hanami, H., Onaka, T., Fujishiro, N., Ishihara, D., Ita, Y., Kataza, H., Kim, W., Matsumoto, T., Murakami, H., Oyama, Y., Sakon, I., Tanabe, T., Uemizu, K., Ueno, M., Watarai, H., Usui, F., Lee, H.M., Im, M., Serjeant, S., Savage, R.S., Tange, T., Nakagawa, T. Multi-Wavelength Analysis of 18 μ m-Selected Galaxies in the AKARI/IRC Monitor Field towards the North Ecliptic Pole, Publ. Astron. Soc. Japan 59, pp.557-569, 2007.
- Taguchi, M., Fukuhara, T., Imamura, T., Nakamura, M., Iwagami, N., Ueno, M., Suzuki, M., Hashimoto, G.L., Mitsuyama, K. Longwave Infrared Camera onboard the Venus Climate Orbiter Advances in Space Research 40, pp.861-868, 2007.

小河 正基 (Masaki Ogawa)

Ogawa, M. Superplumes, plates and mantle magmatism in two-dimensional numerical models, *J. Geophys. Res.*, **112**, B06404, doi:10.1029/2006JB004533, 2007.

角和 善隆 (Yoshitaka Kakuwa)

Kakuwa, Y. and Webb, J. Trace fossils of a middle to upper Ordovician pelagic deep-ocean bedded chert in southeastern Australia. SEPM Special Publication No. 88, *Ichology at the Crossroads: A Multidimensional Approach to the Science of Organism-Substrate Interactions*. 265-274, 2007.

梶田 真 (Shin Kajita)

梶田 真, 仁平 尊明, 加藤 政洋 編. 地域調査ことはじめ: あるく・みる・かく. ナカニシヤ出版(京都). 2007.

梶田 真. 地域的経済格差. 地理学概論(地理学基礎シリーズ1). (上野和彦・椿真智子・中村康子 編). 105-107. 朝倉書店(東京), 2007.

梶田 真. 地方財政と地方行政: 市町村を中心として, 日本・アジアにおける地域の構造と開発. (宮川泰夫・山下潤 編). 102-109. 古今書院(東京). 2007.

柏原 賢二 (Kenji Kashiwabara)

Hachimori, M. On the topology of the free complexes of convex geometries, *Discrete Mathematics*, Volume **307**, 274-279, 2007.

Okamoto Y., Uno T., Matroid representation of clique complexes, *Discrete Applied Mathematics*, **155**, 1910-1929, 2007.

加藤 道夫 (Michio Kato)

Kato, M. Projection Selection in Graphics Education. *Proceedings of the 8th China-Japan Joint Conference on Graphics Education*. 117-122, 2007.

加藤 道夫. モデュール=モデュールと黄金比の統一(The Modulor- Unifying Modules and the Golden Section). *Le Corbusier Art and Architecture- A Life of Creativity*. 275-280 (361-365). Mori Art Museum (Tokyo), 2007.

加藤 道夫. CG/CAD時代の図学. 図学研究. **41**, 1-3. 日本図学会, 2007.

知の遠近法. (ヘルマン・ゴチェフスキー編). 56-77. 講談社(東京). 2007.

金井 崇 (Takashi Kanai)

金井 崇, 大竹 豊, 川田 弘明, 加瀬 究. GPU を用いたレイキャスティング法による陰関数曲面表示. 画像電子学会誌, Vol.36, No.4, pp.335-343, 2007.

Takashi Kanai: "Fragment-based Evaluation of Non-Uniform B-spline Surfaces on GPUs", *Computer-Aided Design and Applications*, Vol.4, Nos.1-4, pp.287-294, 2007.

Hiroshi Watabe, Yutaka Ohtake, Takashi Kanai, Takashi Michikawa, Kunio Kondo. Shape Representation for Time-varying Volumes using 4D Implicit Functions. *IIEEJ Image Electronics and Visual Computing Workshop*, 2007.

Daiki Takasao, Takashi Kanai, Yasushi Yamaguchi. A Fast Voxel Ordering Method for Splat-Based Volume Rendering on GPUs. *IIEEJ Image Electronics and Visual Computing Workshop*, 2007.

渡部 広志, 大竹 豊, 金井 崇, 道川 隆士, 近藤 邦雄. 4次元陰関数を用いた時系列連続断層画像の形状表現. グラフィクスとCAD/ Visual Computing 合同シンポジウム 論文集, pp.209-214, 2007.

金子 知適 (Tomoyuki Kaneko)

金子 知適, 田中 哲朗, 山口 和紀, 川合 慧. 駒の関係を利用した将棋の評価関数の学習. 情報処理学会論文誌, **48**(11), 3438-3445, 2007.

竹内 聖悟, 金子 知適, 林 芳樹, 山口 和紀, 川合 慧. 勝率に基づく評価関数の評価と最適化. 情報処理学会論文誌, **48**(11), 3446-3454, 2007.

副田 俊介, 美添 一樹, 岸本 章宏, 金子 知適, 田中 哲朗, マーティンミュラー. 証明数と反証数を用いた探索. 情報処理学会論文誌, **48**(11), 3455-3462, 2007.

Takeuchi, S., Kaneko, T., Yamaguchi, K., Kawai, S. Visualization and Adjustment of Evaluation Functions Based on Evaluation Values and Win Probability. Twenty-Second Conference on Artificial Intelligence (AAAI-07), 858-863, 2007.

金子 知適. 兄弟節点の比較に基づく評価関数の調整. 第12回ゲーム・プログラミングワークショップ, 9-16, 2007.

竹内 聖悟, 金子 知適, 山口 和紀. 情報量に基づく探索制御手法- チェスにおけるSingular Extensionへの応用-. 第12回ゲーム・プログラミングワークショップ, 52-59, 2007.

吉本 晴洋, 岸本 章宏, 金子 知適, 美添 一樹. DFUCT の囲碁への応用について. 第12回ゲーム・プログラミングワークショップ, 30-35, 2007.

金子 知適. ゲーム情報学とゲーム情報学研究会. 情報処理, **47**(12), 1378-1379, 2006.

久野 章仁 (Akihito Kuno)

Chen, J., Shan, J. Y., Tsukada, T., Munekane, F., Kuno, A., Matsuo, M., Hayashi, T., Kim, Y. A., Endo, M. The structural

業績リスト

- evolution of thin multi-walled carbon nanotubes during isothermal annealing. *Carbon*, **45**, 274-280, 2007.
- Sugimori, K., Chudaev, O., Chudaeva, V., Igarashi, H., Kuno, A., Matsuo, M., Sugimori, Y. Relation between bacteria and deposits found in the high PCO_2 spring waters of Primorye, Far East Russia. *Osen Kagaku*, **57**, 81-87, 2007.
- Zheng, G., Kuno, A., Mahdi, T. A., Evans, D. J., Miyahara, M., Takahashi, Y., Matsuo, M., Shimizu, H. Iron speciation and mineral characterization of contaminated sediments by coal mining drainage in Neath Canal, South Wales, United Kingdom. *Geochem. J.*, **41**, 463-474, 2007.
- Chudaeva, V. A., Yurchenko, S. G., Chudaev, O. V., Sugimori, K., Matsuo, M., Kuno, A. Concentrations and flux of microelements to the Sea of Japan from Primorye rivers. *Water-Rock Interaction*. (Bullen, T. D., Wang, Y.編). 493-496. Taylor and Francis Group. London. 2007.
- Sugimori, K., Matsuo, M., Kuno, A., Wang, Q., Chen, G. J., Horie, M. Sulfate-reducing bacterial activity and pyrite formation in sediments from Qinghai Lake in China. *Water-Rock Interaction*. (Bullen, T. D., Wang, Y.編). 1283-1286. Taylor and Francis Group. London. 2007.

齋藤 晴雄 (Haruo Saito)

- Saito, H. and Hyodo, T. Experimental evidence for spin-orbit interactions in positronium-Xe collisions. *Phys. Rev. Lett.* **97**, 253402-1-4, 2006.

佐藤 守俊 (Moritoshi Sato)

- Furukawa, T., Bai, C.-X., Kaihara, A., Ozaki, E., Kawano, T., Nakaya, Y., Awais, M., Sato, M., Umezawa, Y. and Kurokawa, J. Ginsenoside Re, a Main Phytosterol of Panax Ginseng, Activates Cardiac Potassium Channels via a Non-Genomic Pathway of Sex Hormones. *Mol. Pharmacol.*, **70**, 1916-1924, 2006.
- Sato, M., Nakajima, T., Goto, M. and Umezawa, Y. Cell-Based Indicator to Visualize Picomolar Dynamics of Nitric Oxide Release from Living Cells. *Anal. Chem.*, **78**, 8175-8182, 2006.
- Kim, S.B., Awais, M., Sato, M., Umezawa, Y. and Tao, H. Integrated Molecule-Format Bioluminescent Probe for Visualizing Androgenicity of Ligands Based on the Intramolecular Association of Androgen Receptor with Its Recognition Peptide. *Anal. Chem.*, **79**, 1874-1880, 2007.
- Sato, M., Kawai, Y. and Umezawa, Y. Genetically Encoded Fluorescent Indicators to Visualize Protein Phosphorylation by Extracellular Signal-Regulated Kinase (ERK) in Single Living Cells. *Anal. Chem.*, **79**, 2570-2575, 2007.
- Awais, M., Sato, M. and Umezawa, Y. A Fluorescent Indicator to Visualize Ligand-Induced Receptor/Coactivator Interactions for Screening of Peroxisome Proliferator-Activated Receptor Ligands in Living Cells. *Biosens. Bioelectron.*, **22**, 2564-2569, 2007.
- Hitosugi, T., Sasaki, K., Sato, M., Suzuki, Y. and Umezawa, Y. EGF Directs Sex-Specific Steroid Signaling through Src Activation. *J. Biol. Chem.*, **282**, 10694-10706, 2007.
- Awais, M., Sato, M. and Umezawa, Y. Imaging of Selective Nuclear Receptor Modulator-Induced Conformational Change in the Nuclear Receptor to Interact with Coactivator and Corepressor Proteins in Living Cells. *ChemBioChem*, **8**, 737-743, 2007.
- Ozawa, T., Natori, Y., Sato, M. and Umezawa, Y. Imaging Dynamics of Endogenous Mitochondrial RNA in Single Living Cell. *Nature Methods*, **4**, 413-419, 2007.
- Hitosugi, T., Sato, M., Sasaki, K. and Umezawa, Y. Lipid Raft-Specific Knockdown of Src Family Kinase Activity Inhibits Cell Adhesion and Cell Cycle Progression of Breast Cancer Cells. *Cancer Res.*, **67**, 8139-8148, 2007.
- Sato, M. Imaging Molecular Events in Single Living Cells. *Anal. Bioanal. Chem.*, **386**, 435-443, 2006.
- 佐藤 守俊. 蛋白質核酸酵素—生細胞内の分子過程を時空間計測するプローブの開発. 7月号. 862-873. 共立出版, 2007.
- 佐藤 守俊. バイオテクノロジージャーナル—脂質の細胞内動態を可視化計測するFRETプローブ. 11/12月号. 670-675. 羊土社, 2007.
- 佐藤 守俊. 医療ナノテクノロジーテキスト—細胞の分子イメージング. 2-17. 杏林図書, 2007.
- 佐藤 守俊. 蛋白質核酸酵素増刊号「ケミカルバイオロジー」—生細胞内の分子過程を時空間計測するプローブ. 1568-1580. 共立出版, 2007.

柴尾 晴信 (Harunobu Shibao)

- Uematsu K., Kutsukake M., Fukatsu T., Shimada M. and Shibao H. Altruistic defenders in a Japanese gall-forming aphid, *Quadrartus yoshinomiya* (Homoptera: Aphididae: Hormaphidinae). *Sociobiology*, **50**, 711-724, 2007.
- 柴尾 晴信. 東京大学教養学部基礎生命科学実験編集委員会編. 基礎生命科学実験. 東京大学出版会(東京). 2007.

柴田 大 (Masaru Shibata)

- Yoshino, H., Shiromuzu, T., Shibata, M. The close limit analysis for head-on collision of two black holes in higher dimensions: Bowen-York initial data. *Phys. Rev. D*, **74**, 124022-1-15, 2006.
- Shibata, M., Uryu, K. Merger of black hole-neutron star binaries: Nonspinning black hole case. *Phys. Rev. D*, **74**, 121503-1-5, 2006.
- Shibata, M., Uryu, K. Merger of black hole-neutron star binaries in full general relativity. *Classical and Quantum Gravity*, **24**,

S125-S137, 2007.

- Branson, B.C., Duez, M.D., Liu, Y.-T., Shapiro, S.L., Shibata, M. Collapse and black hole formation in magnetized, differentially rotating neutron stars. *Classical and Quantum Gravity*, **24**, S207-S219, 2007.
- Sekiguchi, Y.I., Shibata, M. A Formation Mechanism of Collapsar Black Hole: Early evolution phase. *Prog. Theor. Phys.* **117**, 1029-1039, 2007.
- Shibata, M., Sekiguchi, Y.I., Takahashi, R. Magnetohydrodynamics of neutrino-cooled accretion tori around a rotating black hole in general relativity. *Prog. Theor. Phys.* **118**, 257-302, 2007.
- Shibata, M. Rotating black hole surrounded by self-gravitating torus in the puncture framework. *Phys. Rev. D*, **76**, 064035-1-18, 2007.
- 柴田 大. 一般相対論の世界を探る：重力波と数値相対論. 1-182. 東京大学出版会(東京), 2007.
- ブラックホールと高エネルギー現象(現代の天文学 8). (小山 勝二・嶺重 慎 編). 195-208. 日本評論社(東京), 2007.
- シミュレーション天文学(現代の天文学 14). (富阪 幸治・花輪 知幸・牧野 淳一郎 編). 239-255. 日本評論社(東京), 2007.

嶋田 正和 (Masakazu Shimada)

- Kageyama, D., Anbutsu, H., Shimada, M., Fukatsu, T. Spiroplasma infection causes either early or late male killing in *Drosophila*, depending on maternal host age. *Naturwissenschaften*, **94**, 333-337, 2007.
- Fukui, S., Fumatsu, F., Ikegami, T., Shimada, M. Endosymbiosis as a compact ecosystem with material cycling: parasitism or mutualism. *J. Theor. Biol.*, **246**, 746-754, 2007.
- Hosokawa T., Kikuchi Y., Shimada M. and Fukatsu T. Obligate symbiont involved in pest status of host insect. *Proc. R. Soc. B: Biol. Sci.*, **274**, 1979-1984, 2007.
- Uematsu K., Kutsukake M., Fukatsu T., Shimada M. and Shibao H. Altruistic defenders in a Japanese gall-forming aphid, *Quadrartus yoshinomyiai* (Homoptera: Aphididae: Hormaphidinae). *Sociobiology*, **50**, 711-724, 2007.
- Kurota H. and Shimada M. Overwintering stage polymorphism in a bruchid beetle: evolutionary significance of geographical variation. *Ecol. Entomol.* **32**, 722-731.
- 石井 弓美子, 嶋田 正和. スイッチング捕食は多種共存を促進するか? : 理論と実証. 特集: 生態学における理論研究と実証研究の連携. 日本生態学会誌, **57**, 183-188, 2007.
- 瀬戸山 雅人, 嶋田 正和. マメゾウムシの均等産卵行動と意思決定ルールの進化. 特集: 生態学における理論研究と実証研究の連携. 日本生態学会誌, **57**, 189-199, 2007.
- 嶋田 正和. 進化の基本法則. 植物細胞工学シリーズ 23 植物の進化. pp.27-34. 秀潤社, 2007.
- 嶋田 正和. 生物圏と環境. 理系総合のための生命科学. (東京大学生命科学教科書編集委員会), 第23章, pp.284-298. 羊土社(東京), 2007.
- 嶋田 正和, 深津 武馬. 細胞内共生の進化-寄生から相利共生へ. 生命システムをどう理解するか-細胞から脳機能・進化にせまる融合科学. (浅島 誠 監修) 第6章, 81-95pp. 共立出版(東京), 2007.

鈴木 賢次郎 (Kenjiro Suzuki)

- Suzuki, K., Fukano, A., Yokoyama, Y., Kato, M., Kondo, K., Tsutsumi, E., Adachi, H., Kanai, T., Kashiwabara, K., Tanaka, I., Yamaguchi, Y., Development of visual literacy courseware (2) - A large scale test run in 2006 at the University of Tokyo. *Proc. 8th Japan-China Joint Conf. Graphics Education*, 14-19, 2007.
- Schroecker, H-P., Suzuki, K., A Comparison of solution strategies to applied geometric design problems by descriptive geometry and 3D-CAD. *Proc. 8th China-Japan Joint Conf. Graphics Education*, 20-25, 2007.
- 鈴木賢次郎, 3D-CAD/CG時代の図法幾何学, 図学研究, **40-4**, 3-5, 2007.
- 鈴木賢次郎, 人は図を介してしか立体形状を理解できないのではなからうか?, 図学研究, **41**(創立40周年記念号-図学研究の広がり-), 9-11, 2007.
- 鈴木賢次郎, グラフィックス・リテラシー教育の構築-東京大学教養学部における図学教育への3D-CAD/CG導入, 建築雑誌, **122-1565**, 24-25, 2007.
- Schroecker, H-P., Suzuki, K., Ein vergleich von losungsstrategien fur eine anspruchsvolle modelleraufgabe, 23-25, 2007.

鈴木 建 (Takeru Suzuki)

- Suzuki, T. K., Nakasato, N., Baumgardt, H., Ibukiyama, A., Makino, J., Ebisuzaki, T. Evolution of Collisionally Merged Massive Stars. *Astrophysical Journal*, **668**, 435-448, 2007.
- Suzuki, T. K., Lazarian, A., Beresnyak, A. Cascading of Fast-Mode Balanced and Imbalanced Turbulence. *Astrophysical Journal*, **662**, 1033-1042, 2007.
- Fujita, Y., Suzuki, T. K., Kudoh, T., Yokoyama, T. The Origin of Ripples in Cool Cores of Galaxy Clusters: Heating by Magnetohydrodynamic Waves? *Astrophysical Journal Letters*, **659**, L1-L4, 2007.
- Suzuki, T. K. Structured Red Giant Winds with Magnetized Hot Bubbles and the Corona/Cool Wind Dividing Line. *Astrophysical Journal*, **659**, 1592-1610, 2006.

清野 聡子 (Satoquo Seino)

- 清野 聡子, 宇多 高明, 足利 由紀子, 神田 康嗣, 城野 博之. 中津干潟三百間地区における砂州の大変動の機構, 海岸工学論文集, **54**,

業績リスト

pp., 2007.

清野 聡子, 宇多 高明, 足利 由紀子, 神田 康嗣, 和田 太一, 城野博之. 干潟縁辺部における砂州で囲まれた塩性湿地の生物環境条件, *海岸工学論文集*, **54**, pp., 2007.

齋藤 正徳, 河口 洋一, 矢野 真一郎, 井芹 寧, 黨 秀次郎, 島谷 幸宏, 緒方 健, 山崎 正敏, 清野 聡子. 筑後川上流域におけるダム放流量増加が付着藻類に与える影響, *水工学論文集*, **51**, pp.1219-1224, 2007.

Seino, S. and T., Uda. Conservation planning for endangered species of horseshoe crab in terms of geomorphology of habitat and life history, *Asian and Pacific Coasts 2007, Proc. 4th International Conf.*, pp. 2075-2086, 2007.

Hino, A., Seino, S. and Kugimiya, K. Observations on the Local Process for the Integrated Coastal Management in Moriye Bay, Oita Prefecture, Japan, *Asian and Pacific Coasts 2007, Proc. 4th International Conf.*, pp. 2075-2086, 2007.

角本 孝夫, 清野 聡子. 青森県下北地方振興局・七島建設. 土木学会デザイン賞最優秀賞, 木野部海岸 心と体を癒す海辺の空間整備事業, 土木学会景観・デザイン委員会, 2007.

関谷 貴之 (Takayuki Sekiya)

関谷 貴之, 安東 孝二, 尾上能之, 田中 哲朗, 山口 和紀. NetBootによる端末を用いた教育用計算機システムの開発と評価, *情報処理学会論文誌*, Vol.48, No.4, pp.1651-1664, 2007.

玉井 哲雄 (Tetsuo Tamai)

Tamai, T., Ubayashi, N., Ichiyama, R. Objects as Actors Assuming Roles in the Environment. *Software Engineering for Multi-Agent Systems V* (Choren, R., Garcia, A., Giese, H., Leung, H., Lucena, C., and Romanovsky A., eds.), LNCS 4408, 185-203, 2007.

Tamai, T. A Pedagogical View on Software Modeling and Graph-Structured Diagrams. *Software Engineering Education in the Modern Age* (Inverardi, P. and Jazayeri, M., eds.), LNCS 4309, 59-71, 2006.

Kamata, I. M., Tamai, T. How Does Requirements Quality Relate to Project Success or Failure? *Proceedings of the 15th IEEE International Requirements Engineering Conference (RE'07)*, 69-78, 2007.

Kamina, T., Tamai, T. Lightweight Scalable Components. *Proceedings of the 6th International Conference on Generative Programming and Component Engineering*, 145-154, 2007.

Ubayashi, N., Sakai, A., Tamai, T. An interface mechanism for encapsulating weaving in class-based AOP. *Proceedings of the 5th workshop on Engineering properties of languages and aspect technologies*, 2007.

Ubayashi, N., Sakai, A., Tamai, T. An Aspect-oriented Weaving Mechanism Based on Component and Connector Architecture. *Proceedings of 22nd IEEE/ACM International Conference on Automated Software Engineering*, 2007.

熊澤 努, 玉井 哲雄. ユースケースによる安全性要求分析のための想定外シナリオ抽出法の提案, *情報処理学会研究報告*, **2007-SE-15**, 191-198, 2007.

土井 靖生 (Yasuo Doi)

Murakami, H., Baba, H., Barthel, P., Clements, D. L., Cohen, M., Doi, Y., Enya, K., Figueredo, E., Fujishiro, H., Fujiwara, H., Fujiwara, M., Garcia-Lario, P., Goto, T., Hasegawa, S., Hibi, Y., Hirao, T., Hiromoto, N., Hong, S. S., Imai, K., Ishigaki, M., Ishiguro, M., Ishihara, D., Ita, Y., Jeong, W.-S., Jeong, K. S., Kaneda, H., Kataza, H., Kawada, M., Kawai, T., Kawamura, A., Kessler, M. F., Kester, D., Kii, T., Kim, D. C., Kim, W., Kobayashi, H., Koo, B. C., Kwon, S. M., Lee, H. M., Lorente, R., Makiuti, S., Matsuhara, H., Matsumoto, T., Matsuo, H., Matsuura, S., Müller, T. G., Murakami, N., Nagata, H., Nakagawa, T., Naoi, T., Narita, M., Noda, M., Oh, S. H., Ohnishi, A., Ohyama, Y., Okada, Y., Okuda, H., Oliver, S., Onaka, T., Ootsubo, T., Oyabu, S., Pak, S., Park, Y.-S., Pearson, C. P., Rowan-Robinson, M., Saito, T., Sakon, I., Salama, A., Sato, S., Savage, R. S., Serjeant, S., Shibai, H., Shirahata, M., Sohn, J., Suzuki, T., Takagi, T., Takahashi, H., Tanab'e, T., Takeuchi, T. T., Takita, S., Thomson, M., Uemizu, K., Ueno, M., Usui, F., Verdugo, E., Wada, T., Wang, L., Watabe, T., Watarai, H., White, G. J., Yamamura, I., Yamauchi, C., and Yasuda, A. The Infrared Astronomical Mission AKARI. *Publ. Astron. Soc. Japan*, Vol.59, No.SP2, pp.369-376, 2007.

Kawada, M., Baba, H., Barthel, P. D., Clements, D., Cohen, M., Doi, Y., Figueredo, E., Fujiwara, M., Goto, T., Hasegawa, S., Hibi, Y., Hirao, T., Hiromoto, N., Jeong, W.-S., Kaneda, H., Kawai, T., Kawamura, A., Kester, D., Kii, T., Kobayashi, H., Kwon, S. M., Lee, H. M., Makiuti, S., Matsuo, H., Matsuura, S., Müller, G. G., Murakami, N., Nagata, H., Nakagawa, T., Narita, M., Noda, M., Oh, S. H., Okada, Y., Okuda, H., Oliver, S., Ootsubo, T., Pak, S., Park, Y.-S., Pearson, C. P., Rowan-Robinson, M., Saito, T., Salama, A., Sato, S., Savage, R. S., Serjeant, S., Shibai, H., Shirahata, M., Sohn, J., Suzuki, T., Takagi, T., Takahashi, H., Thomson, M., Usui, F., Verdugo, E., Watabe, T., White, G. J., Wang, L., Yamamura, I., Yamauchi, C., and Yasuda, A. The Far-Infrared Surveyor (FIS) for AKARI. *Publ. Astron. Soc. Japan*, Vol.59, No.SP2, pp.389-400, 2007.

Jeong, W.-S., Nakagawa, T., Yamamura, I., Pearson, C. P., Savage, R. S., Lee, H. M., Shibai, H., Makiuti, S., Baba, H., Barthel, P., Clements, D., Doi, Y., Figueredo, E., Goto, T., Hasegawa, S., Kaneda, H., Kawada, M., Kawamura, A., Kester, D., Kwon, S. M., Matsuhara, H., Matsuura, S., Murakami, H., Oh, S. H., Oliver, S., Pak, S., Park, Y.-S., Serjeant, S., Shirahata, M., Sohn, J., Takagi, T., Wang, L., White, G. J., and Yamauchi, C. The Far-Infrared Properties of Spatially Resolved AKARI Observations, *Publ. Astron. Soc. Japan*, Vol.59, No.SP2, pp.429-435, 2007.

Ishihara, D., Onaka, T., Kaneda, H., Suzuki, T., Kataza, H., Sakon, I., Okada, Y., Doi, Y., Fujishiro, N., Fujiwara, H., Ita, Y., Kii, T., Kim, W., Makiuti, S., Matsumoto, T., Matsuhara, H., Murakami, H., Nakagawa, T., Ohyama, Y., Oyabu, S., Stephen, S., Shibai,

- H., Takagi, T., Tanab'e, T., Uemizu, K., Ueno, M., Usui, F., Wada, T., and Watarai, H. AKARI Infrared Imaging of Reflection Nebulae IC4954 and IC4955, *Publ. Astron. Soc. Japan*, Vol.59, No.SP2, pp.443-454, 2007.
- Kaneda, H., Suzuki, T., Onaka, T., Doi, Y., Kawada, M., Koo, B.-C., Makiuti, S., Nakagawa, T., Okada, Y., Serjeant, S., Shibai, H., and Shirahata, M. Far-Infrared Distributions in Nearby Spiral Galaxies NGC 2841 and NGC 2976 Observed with AKARI/Far-Infrared Surveyor (FIS), *Publ. Astron. Soc. Japan*, Vol.59, No.SP2, pp.463-471, 2007.
- Matsuura, S., Shirahata, M., Kawada, M., Doi, Y., Nakagawa, T., Shibai, H., Pearson, C. P., Takagi, T., Jeong, W.-S., Oyabu, S., and Matsuhara, H. AKARI Far-Infrared Source Counts in the Lockman Hole, *Publ. Astron. Soc. Japan*, Vol.59, No.SP2, pp.503-513, 2007.
- Matsuhara, H., Murakami, H., Nakagawa, T., Wada, T., Matsuura, S., Oyabu, S., Takagi, T., Pearson, C. P., Kaneda, H., Usui, F., Shirahata, M., Shibai, H., Kawada, M., Onaka, T., and Doi, Y. AKARI in Orbit-Scientific Potential for Understanding Galaxy Evolution, *IAU Symposium*, **235**, 322, 2007.
- 土井 靖生. テラヘルツ技術. (テラヘルツテクノロジー動向調査委員会 斗内政吉 編著). オーム社 (東京), 2006.
- 土井 靖生. テラヘルツ技術総覧. (廣本宣久 他 編著). N G T コーポレーション. (東京), 2007.

中村 政隆 (Masataka Nakamura)

- Hachimori, M., Nakamura, M. A factorization theorem of Characteristic Polynomials of Convex Geometries, *Annals of Combinatorics*, **11**, 39-46, 2007.
- Nakamura, M. A max-flow min-cut theorem and a topological representation theorem of convex geometries and antimatroids, *Proceedings of the 5th Hungarian-Japanese Symposium on Discrete Mathematics and Its Applications*, 182-190, 2007.

丹羽 清 (Kiyoshi Niwa)

- Itaya, K. and Niwa, K. "Highly Autonomous Small-team-type R&D Management Model and Its Trial Management Experiment," PICMET'07, 2007.
- Kim, Y. and Niwa, K. "The Effect of SMEs' Partnership for Innovation: Case Study of the Japanese Manufacturing Industry," PICMET'07, 2007.
- Shirahada, K. and Niwa, K. "Implementation of Future-Focused People-Management in a Large Japanese Automobile Company," PICMET'07, 2007.
- 白肌 邦生, 丹羽 清. 「研究・開発人材の職務意欲向上のための未来志向的動機付けの効果分析」, 研究技術計画, Vol.21, No.2, pp.214-224, 2006.
- 金井 明子, 松原 宏, 丹羽 清. 「学習地域におけるテーマ共有の重要性: 東大阪地域の例」, 研究技術計画, Vol.21, No.3/4, pp.294-306, 2006.
- 丹羽 清. 「イノベーションを先導する技術経営」技術と経済(科学技術と経済の会)2007年9月号, pp. 13-24, 2007.

蜂巢 泉 (Izumi Hachisu)

- Nomoto, K., Saio, H., Kato, M., Hachisu, I. Thermal Stability of White Dwarfs Accreting Hydrogen-rich Matter and Progenitors of Type Ia Supernovae. *The Astrophysical Journal*, **663**, 1269-1276, 2007.
- Hachisu, I., Kato, M. A Universal Decline Law of Classical Novae. II. GK Persei 1901 and Novae in 2005. *The Astrophysical Journal*, **662**, 552-563, 2007.
- Hachisu, I., Kato, M., Luna, G. J. M. Supersoft X-Ray Light Curve of RS Ophiuchi (2006). *The Astrophysical Journal*, **659**, L153-L156, 2007.
- Kato, M., Hachisu, I. Modeling of the Super-Eddington Phase for Classical Novae: Five IUE Novae. *The Astrophysical Journal*, **657**, 1004-1012, 2007.
- Maehara, H., Hachisu, I., Nakajima, K. Photometric Observation and Numerical Simulation of Early Superhumps in BC Ursae Majoris during the 2003 Superoutburst. *Publ. Astr. Soc. Japan*, **59**, 227-235, 2007.
- 蜂巢 泉. 新星の光度曲線の統一理論. *パリテイ*, **22**, 58-59. 丸善(東京), 2007.

藤垣 裕子 (Yuko Fujigaki)

- 藤垣 裕子. 科学計量学的手法. 研究技術計画, **21**, 149-155, 2006.
- 藤垣 裕子. 科学技術社会のゆくえ: 科学者の社会的責任論の系譜から. *科学*, **77**, 866-870, 2007.
- 藤垣 裕子. 社会構成主義と人工物の権力論. 共生のための技術哲学(村田純一編). 未来社(東京都), 2006.
- 藤垣 裕子. 社会技術概論(放送大学教材). 放送大学教育振興会(小林信一, 小林傳司と共著), 2007.

増田 建 (Tatsuru Masuda)

- Ikegami, A., Motohashi, K., Yoshimura, N., Takahashi, S., Romano, P.G.N., Hisabori, T., Takamiya, K., Masuda, T. The CHL11 subunit of *Arabidopsis thaliana* magnesium chelatase is a target protein of the chloroplast thioredoxin. *J. Biol. Chem.*, **282**, 19282-19291, 2007.
- Nagai, S., Koide, M., Takahashi, S., Kikuta, A., Aono, M., Sasaki-Sekimoto, Y., Ohta, H., Takamiya, K., Masuda, T. Induction of isoforms of tetrapyrrole biosynthetic enzymes, atHEMA2 and atFC1, under stress conditions and their physiological functions in *Arabidopsis thaliana*. *Plant Physiol.*, **144**, 1039-1051, 2007.

業績リスト

増田 建. 八面六臂の活躍?—いろいろな横顔をみせるクロロフィル合成酵素—. 蛋白質 核酸 酵素, **52**, 69-70, 2007.
増田 建. 光合成の科学. (東京大学光合成教育研究会編). 東京大学出版会(東京). 2007.

増原 英彦 (Hidehiko Masuhara)

大根田 裕一, 増原 英彦, 米澤 明憲. 値間依存性に基づくポイントカット記述のためのバイトコード変換. コンピュータソフトウェア, **24**(2)27-40, 2007.
櫻井 孝平, 増原 英彦. アスペクト指向プログラミングにおけるテストに基づいたポイントカットの提案. コンピュータソフトウェア, **24**(3)141-152, 2007.
Aotani, T., Masuhara, H. SCoPE: an AspectJ compiler for supporting user-defined analysis-based pointcuts. *International Conference on Aspect-Oriented Software Development (AOSD 2007)*, 161-172, 2007.
Sakurai, K., Masuhara, H. Test-based pointcuts: A robust pointcut mechanism based on unit test cases for software evolution. *Linking Aspect Technology and Evolution (LATE 2007)*, 2007.
Aotani, T., Masuhara, H. Towards a type system for rejecting never-matching pointcut compositions. *Foundations of Aspect-Oriented Languages (FOAL 2007)*, 23-26, 2007.

松尾 基之 (Motoyuki Matsuo)

Kuno, A., Matsuo, M., Wang, Q., Zhang, C. J. Iron speciation of sediments from Kuhai Lake in China by Moessbauer spectroscopy. *Hyperfine Interactions*, **166**(1-4), 637-642, 2006.
Musashi, M., Oi, T., Eggenkamp, H., Yato, Y., Matsuo, M. An anion-exchange chromatographic study on chlorine isotope effect accompanying hydration. *Journal of Chromatography A*, **1140**(1-2), 121-125, 2007.
Chen, J., Shan, J. Y., Tsukada, T., Munekane, F., Kuno, A., Matsuo, M., Hayashi, T., Kim, Y. A., Endo, M. The structural evolution of thin multi-walled carbon nanotubes during isothermal annealing. *Carbon*, **45**(2), 274-280, 2007.
Oshima, M., Toh, Y., Kimura, A., Ebihara, M., Oura, Y., Itoh, Y., Sawahata, H., Matsuo, M. Multiple prompt gamma-ray analysis and construction of its beam line. *J. Radioanal. Nucl. Chem., Articles*, **271**(2), 317-321, 2007.
Sugimori, K., Chudaev, O. V., Chudaeva, V. A., Igarashi, H., Kuno, A., Matsuo, M., Sugimori, Y. Relation between bacteria and deposits found in the high $p\text{CO}_2$ spring waters of Primorye, Far East Russia. *J. Balneol. Soc. Jpn.*, **57**(2), 81-87, 2007.
Zheng, G. D., Kuno, A., Mahdi, Talib Abdulameer, Evans, D. J., Miyahara, M., Takahashi, Y., Matsuo, M., Shimizu, H. Iron speciation and mineral characterization of contaminated sediments by coal mining drainage in Neath Canal, South Wales, United Kingdom. *Geochemical Journal*, **41**(6), 463-474, 2007.
Chudaeva, V. A., Urchenko, S. G., Chudaev, O. V., Sugimori, K., Matsuo, M., Kuno, A. Concentrations and flux of microelements to the Sea of Japan from Primorye rivers. *Proceedings of the 12th International Symposium on Water-rock Interaction*, **1**, 493-496, 2007.
Sugimori, K., Matsuo, M., Kuno, A., Wang, Q., Chen, G. J., Horie, M. Sulfate-reducing bacterial activity and pyrite formation in sediments from Qinghai Lake in China. *Proceedings of the 12th International Symposium on Water-rock Interaction*, **2**, 1283-1286, 2007.

松原 宏 (Hiroshi Matsubara)

松原 宏. 少子高齢化時代の地域再編と課題. 経済地理学年報, **52**, 219-235, 2006.
松原 宏. 地域経済循環の構造と産業集積地域. 産業立地, **46-1**, 12-17, 2007.
松原 宏. 経済格差の地理的構造. RPレビュー, **21-2**, 13-18, 2007.
松原 宏. 企業立地の変容と地域産業政策の課題. JOYO ARC, **39-5**, 10-17, 2007.
松原 宏. 地域基盤産業の転換と地域イノベーション. 産業立地, **46-5**, 8-13, 2007.

山口 和紀 (Kazunori Yamaguchi)

竹内 聖悟, 林 芳樹, 金子 知適, 山口 和紀, 川合 慧. 勝率に基づく評価関数の評価と最適化. 情報処理学会論文誌. **48**(11), 3446-3454.
金子 知適, 田中 哲朗, 山口 和紀, 川合 慧. 駒の関係を利用した将棋の評価関数の学習. 情報処理学会論文誌. **48**(11), 3438-3445.
Matsuda, Y., Yamaguchi, K. Linear Multilayer ICA Generating Hierarchical Edge Detectors. *Neural Computation*, **19**(1), 218-230, 2007.
竹内 聖悟, 金子 知適, 山口 和紀. 情報量に基づく探索制御手法 —チェスにおけるSingular Extensionへの応用—. Game Programming Workshop, 2007.
Horie, I., Yamaguchi, K., Kashiwabara, K. Pattern Detection from Web using AFA Set Theory. 9th ACM International Workshop on Web Information and Data Management, 113-120, 2007.
Takeuchi, S., Kaneko, T., Yamaguchi, K., Kawai, S. Visualization and Adjustment of Evaluation Functions Based on Evaluation Values and Win Probability. *AAAI*, 858-863, 2007.
Matsuda, Y., Yamaguchi, K. A Fixed-Point Algorithm of Topographic ICA. ICANN2006, LNCS 4132, Springer-Verlag, 587-594.

山口 泰 (Yasushi Yamaguchi)

Nomura, Y., Itoh, T., Yamaguchi, Y. A Robust Method of Facial Feature Tracking for Moving Images. *Proc. of NICOGRPAH*

International 2007, s2-2, 1-5, 2007.

Takasao, D., Kanai, T., Yamaguchi, Y. A Fast Voxel Ordering Method for Splat-Based Volume Rendering on GPUs. *Proc. of IEVC 2007*, 1B-5, 1-6, 2007.

Suzuki, Y., Yamaguchi, Y. Convolutional Face Finder Using Graphics Hardware. *Proc. of IEVC 2007*, 2B-2, 1-8, 2007.

横山 ゆりか (Yurika Yokoyama)

古賀 紀江, 横山 ゆりか. 場所の写真に対する自立高齢者の語りの研究－知識語り・回想語りと居住地域の環境. *MERA Journal* (人間-環境学会誌), 19, 31-40, 2007.

古賀 紀江, 横山 ゆりか. 「もの」環境による環境行動支援とジェンダー. 前橋工科大学研究紀要, 10, 76-79, 2007.

古賀 紀江, 横山 ゆりか. 場所記憶と回想. 日本生理人類学会誌, 12(2), 33-36, 2007.

Suzuki, K., Fukano, A., Yokoyama, Y., et al. Development of Visual Literacy Courseware (2) – A large scale test run in 2006 at the University of Tokyo. *Proceedings of the 8th China – Japan Joint Conference on Graphics Education*, Beijing Institute of Technology Press, 14-19, 2007.

横山 ゆりか. 集住の光景. 建築雑誌, 122(1563), i, 2007.

日本図学会創立40周年－図学研究の広がり. (日本図学会 編). 156-159, 188-189. 電算印刷(東京), 2007.

吉田 丈人 (Yoshida Takehito)

Yoshida, T., Ellner, S.P., Jones, L.E., Bohannan, B.J.M., Lenski, R.E., Hairston, N.G.Jr. Cryptic population dynamics: rapid evolution masks trophic interactions. *PLoS Biology*, 5, 1868-1879, 2007.

Yoshida, T., Goka, K., Ishihama, F., Ishihara, M., Kudo, S. Biological invasion as natural experiment of evolutionary process: introduction of the special feature. *Ecological Research*, 22, 849-854, 2007.

Fussmann, G.F., Weithoff, G., Yoshida, T. A direct, experimental test of resource- versus consumer-dependence: Reply to the Comment by Jensen et al. *Ecology*, 88, 1603-1604, 2007.

吉田 丈人. 特集「理論と実証」企画趣旨. 日本生態学会誌, 57, 172-173, 2007.

吉田 丈人. 実証と理論の応酬：ワムシー藻類(捕食者－被食者)系の個体群動態. 日本生態学会誌, 57, 208-216, 2007.

吉田 丈人. 総括論文：特集のおわりに. 日本生態学会誌, 57, 207-220, 2007.

吉田 丈人. 生物の人口動態－カンジキウサキとオオヤマネコがみせる周期変動. 生物の科学 遺産, 61, 14-15, 2007

大学院生, 学振特別研究員など

佐藤 正志. 規制緩和に伴う公共交通政策の転換：岐阜市のバス事業民間譲渡の事例. 経済地理学年報, 53(2), 46-61, 2007.

外柙保 大介. 延岡市における企業城下町の体質の変容：地方自治体の産業政策の転機を事例として. 経済地理学年報, 53(3), 29-45, 2007.

池田 真志. 「顔が見える」野菜の流通とスーパーマーケット：流通空間の再構築. (荒井良雄・著本健二編). 53-69. 古今書院(東京). 2007.

池田 真志. SPAの生産・流通体制：アパレル産業における製販統合とグローバル化：流通空間の再構築. (荒井良雄・著本健二編). 125-142. 古今書院(東京). 2007.