

## 大学院学生の学会発表、論文発表数

区分	平成16年度	平成17年度	平成18年度	( )内は査読付き 国際会議議事録 で内数
学会発表数	476(180) 回	507(201) 回	435(177) 回	
論文発表数 (学生が学術雑誌等(紀要、論文集等も含む)に発表 したもの(印刷済及び採録決定済のものに限り査読 中・投稿中のものを除く。))	559 件	614 件	504 件	
<b>主な発表論文</b> (平成16年度～平成18年度の期間に、専攻に所属する学生の主な発表論文。学生に下線を付している。)				
(1) Investigation for Designing of Context-Aware Recommendation System Using SVM, <u>K. Oku</u> , S. Nakajima, J. Miyazaki, S. Uemura, The International MultiConference of Engineers and Computer Scientists 2007, pp. 970-975 (2007) ( <b>Best Student Paper Award</b> )				
(2) An Assignment Scheme to Control Multiple Pan/Tilt Cameras for 3D Video, <u>Y. Sofiane</u> , N. Ukita, and M. Kidode, Journal of Multimedia, Vol.2, Issue 1, pp.10-19 (2007)				
(3) 残像を利用したボールの3次元軌跡の計測, <u>高野橋健太</u> , <u>眞鍋佳嗣</u> , <u>安室喜弘</u> , <u>井村誠孝</u> , 千原國宏, 情報処理学会論文誌, Vol. 48, No.SIG1 (CVIM17), pp. 35-47 (2007) ( <b>日本バーチャルリアリティ学会第10回大会学術奨励賞</b> )				
(4) Augmented reality based on estimation of defocusing and motion blurring from captured images, <u>B. Okumura</u> , M. Kanbara, N. Yokoya, Proc. IEEE and ACM Int. Sympo. on Mixed Augmented Reality, pp 219-225 (2006) ( <b>Best Student Paper Award</b> )				
(5) Non-scan Design for Single-Port-Change Delay Fault Testability, <u>Y. Yoshikawa</u> , S. Ohtake, M. Inoue, and H. Fujiwara, Information Processing Society of Japan, Vol. 47, No. 6, pp. 1619-1628 (2006). ( <b>IPSJ Digital Courier船井若手奨励賞受賞</b> )				
(6) UbiREAL: Realistic Smartspace Simulator for Systematic Testing, <u>Nishikawa, H.</u> , <u>Yamamoto, S.</u> , <u>Tamai, M.</u> , <u>Nishigaki, K.</u> , <u>Kitani, T.</u> , <u>Shibata, N.</u> , <u>Yasumoto, K.</u> , and <u>Ito, M.</u> , in Proc. of the 8th Int'l. Conf. on Ubiquitous Computing, LNCS4206, pp. 459-476 (2006) ( <b>電気通信普及財団第22回テレコムシステム技術学生賞佳作受賞</b> )				
(7) Instruction-based self-testing of delay faults in pipelined processors, <u>V. Singh</u> , M. Inoue, <u>K. Saluja</u> and H. Fujiwara, IEEE Transactions on Very Large Scale Integration (VLSI) Systems, Vol. 14, No. 11, pp.1203-1215 (2006)				
(8) RNA Pseudoknotted Structure Prediction Using Stochastic Multiple Context-Free Grammar <u>Y. Kato</u> , H. Seki and T. Kasami, IPSJ Transactions on Bioinformatics, 47, SIG 17(TBIO 1) pp. 12-21 (2006) ( <b>IPSJ Digital Courier船井若手奨励賞</b> )				
(9) Burst-Cluster Transmission: Service Differentiation Mechanism for Immediate Reservation in Optical burst Switching Networks, <u>I. Tachibana</u> and S. Kasahara, IEEE Communications Magazine, vol. 44, no. 5, pp. 46-55 (2006) ( <b>電気通信普及財団第22回テレコムシステム技術賞</b> )				
(10) 光路差に着目した汎用的な構造色レンダリング手法, <u>佐伯昌彦</u> , <u>井村誠孝</u> , <u>安室喜弘</u> , <u>眞鍋佳嗣</u> , 千原國宏, 映像情報メディア学会誌, Vol. 60, No. 10, pp. 1593-1598 (2006) ( <b>第49回システム制御情報学会研究発表講演会奨励賞</b> )				
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(12) Exploiting Syntactic Patterns as Clues in Zero-Anaphora Resolution, <u>R. Iida</u> , K. Inui, Y. Matsumoto, Proc of the 21st Int. Conf. on Computational Linguistics and 44th Annual Meeting of the Association for Computational Linguistics, pp.625-632, 2006 ( <b>Best Asian Natural Language Processing Paper Award from the Asian Federation of Natural Language Processing</b> )				
(13) Study for Various Array Antenna assisted Doppler Spread Compensator with MRC Diversity of ISDB-T Receiver, <u>Y. C. Yu</u> , M. Okada, and H. Yamamoto, IEEE Vehicular Technology Conference Vol 6, pp 2947-2951 (2006) ( <b>Young Researcher's Encouragement Award</b> )				
(14) Novel view generation from multiple omni-directional videos, <u>T. Ishikawa</u> , K. Yamazawa, N. Yokoya, Proc. IEEE and ACM Int. Sympo. on Mixed Augmented Reality(ISMAR 05) pp 166-169 (2005) <b>2006年度IEEE関西支部学生研究奨励賞受賞</b>				
(15) スティックと楕円の統合モデルによる外見的特徴の少ない非剛体群の時系列位置・姿勢推定法, <u>北島利浩</u> , <u>浮田宗伯</u> , <u>木戸出正継</u> , 電子情報通信学会論文誌, Vol.J88-DII, No.2, pp.334-346 (2005)				
(16) 剛体との相互作用を伴う水の実時間アニメーション, <u>天田崇</u> , <u>井村誠孝</u> , <u>安室喜弘</u> , <u>眞鍋佳嗣</u> , 千原國宏, 映像情報メディア学会誌, Vol. 59, No. 10, pp. 1488-1493 (2005) ( <b>映像情報メディア学会冬季大会学生優秀発表賞</b> )				
(17) Acquiring causal knowledge from text using the connective marker tame, <u>T. Inui</u> , K. Inui, Y. Matsumoto, ACM Transactions on Asian Language Information Processing, Vol.4, Issue 4, pp.435-474, 2005.				
(18) Quantitative Analysis of Information Leakage in Security-Sensitive Software Processes, <u>Y. Kanzaki</u> , H. Igaki, M. Nakamura, A. Monden, and K. Matsumoto, IPSJ Journal, Vol. 46, No. 8, pp. 2129-2141 (2005) ( <b>IPSJ Digital Courier船井若手奨励賞</b> )				
(19) カーネル法による計量書誌尺度の統一的解釈, <u>伊藤 敬彦</u> , <u>新保 仁</u> , <u>工藤 拓</u> , <u>松本 裕治</u> , 人工知能学会論文誌, Vol.19, No.6, pp.530-539, 2004 ( <b>人工知能学会論文賞受賞</b> )				
(20) High-Fidelity Blind Separation of Acoustic Signals Using SIMO-Model-Based Independent Component Analysis, <u>T. Takatani</u> , <u>T. Nishikawa</u> , H. Saruwatari, K. Shikano, IEICE Trans. Fundamentals, Vol.E87-A, No.8, pp. 2063-2072 (2004) ( <b>日本音響学会独創研究奨励賞板倉記念</b> )				
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(22) A design methodology to realize delay testable controllers using state transition information, <u>T. Iwagaki</u> , S. Ohtake and H. Fujiwara, Proc. 9th IEEE European Test Symposium (ETS '04), pp. 168-173 (2004). ( <b>IEEE 関西支部学生研究奨励賞受賞</b> )				

研究科	バイオサイエンス研究科
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## 大学院学生の学会発表、論文発表数

区分	平成16年度	平成17年度	平成18年度	備考
学会発表数	198 回	205 回	175 回	
論文発表数 (学生が学術雑誌等(紀要、論文集等も含む)に発表したもの(印刷済及び採録決定済のものに限り査読中・投稿中のものを除く。))	46 件	39 件	49 件	
<p><b>主な発表論文</b> (平成16年度～平成18年度の期間に、専攻に所属する学生の主な発表論文。学生に下線を付している。)</p> <p>(1)Hd3a protein is a mobile flowering signal in rice. <u>Tamaki, S.</u>, Matsuo, S., Wong, H. L., Yokoi, S. and Shimamoto, K., <b>Science</b>, in press (2007).</p> <p>(2)Conserved factors regulate signalling in Arabidopsis thaliana shoot and root stem cell organizers. Sarkar, A. K., Luijten, M., <u>Miyashima, S.</u>, Lenhard, M., Hashimoto, T., Nakajima, K., Scheres, B., Heidstra, R. and Laux, T. <b>Nature</b> 446, 811-814 (2007).</p> <p>(3)OASIS, a CREB/ATF-family member, modulates UPR signalling in astrocytes. <u>Kondo, S.</u>, Murakami, T, Tatsumi, K, Ogata, M, Kanemoto, S, Otori, K, Iseki, K, Wanaka, A, and Imaizumi, K, <b>Nature Cell Biology</b> 7, 186-194 (2005).</p> <p>(4)Mesenchymal-epithelial transition during somitic segmentation is regulated by differential roles of Cdc42 and Rac1. <u>Nakaya, Y.</u>, Kuroda, S., Katagiri, Y., Kaibuchi, K. and Takahashi, Y. <b>Developmental Cell</b> 7, 425-438</p> <p>(5)Conversion of functional specificity in Qb-SNARE VTI1 homologues of Arabidopsis ; <u>Niihama M.</u>, Uemura T., Saito C., Nakano A., Sato M.H., Tasaka M. and Morita M.T.; <b>Current Biology</b> 15, 555-560 (2005).</p> <p>(6)<u>Tadokoro R.</u>, Sugio, M., Kutsuna, J., Tochinai, S., and Takahashi, Y. Early segregation of germ and somatic lineages during gonadal regeneration in the annelid, Enchytraeus japonensis. <b>Current Biology</b> 16, 1012-1017</p> <p>(7)<i>Arabidopsis</i> <u>CUP-SHAPED COTYLEDON3</u> regulates postembryonic shoot meristem and organ boundary formation. Hibara, K., <u>Karim, R. M.</u>, Takada, S., Taoka, K., Furutani, M., Aida, M. and Tasaka, M. <b>Plant Cell</b> 18 2946-2957 (2006)</p> <p>(8)Suppression of the floral activator Hd3a is the principal cause of the night break effect in rice. <u>Ishikawa, R.</u>, <u>Tamaki, S.</u>, Yokoi, S., Inagaki, N., Shinomura, T., Takano, M. and Shimamoto, K. <b>Plant Cell</b> 17: 3326-3336</p> <p>(9)A semidominant mutation in an Arabidopsis mitogen-activated protein kinase phosphatase-like gene compromises cortical microtubule organization. <u>Naoui, K.</u> and Hashimoto, T. <b>Plant Cell</b> 16, 1841-1853 (2004).</p> <p>(10)Shootin1: a protein involved in the organization of an asymmetric signal for neuronal polarization. <u>Toriyama, M.</u>, Shimada, T., Kim, K. B., Mitsuba, M., Nomura, E., <u>Katsuta, K.</u>, Sakumura, Y., Roepstorff, P. and Inagaki, N. <b>Journal of Cell Biology</b> 175, 147-157 (2006).</p> <p>(11)A role for BiP as an adjustor for the endoplasmic reticulum stress-sensing protein Ire 1. Kimata, Y., <u>Oikawa, D.</u>, Shimizu, Y., Ishiwata-Kimata, Y. and Kohno, K. <b>Journal of Cell Biology</b> 167, 445-456 (2004).</p> <p>(12)G protein-coupled receptor signaling through Gq and JNK negatively regulates neural progenitor cell migration. Mizuno, N., Kokubu, H., Sato, M., <u>Nishimura, A.</u>, Yamauchi, J., Kurose, H. and Itoh, H. <b>Proceedings of National Acadademy of Science, USA</b> 102, 12365-12370 (2005)</p> <p>(13)The neurotrophin-3 receptor TrkC directly phosphorylates and activates the nucleotide exchange factor Dbs to enhance Schwann cell migration. Yamauchi, J., Chan, J., <u>Miyamoto, Y.</u>, Tsujimoto, G. and Shooter, E. M. <b>Proceedings of National Acadademy of Science, USA</b> 102, 5198-5203 (2005).</p> <p>(14)Matsuda, E., <u>Shigeoka, T.</u>, <u>Iida, R.</u>, Yamanaka S, Kawaichi, M. and Ishida, Y. Expression profiling with arrays of randomly disrupted genes in mouse embryonic stem cells leads to in vivo functional analysis. <b>Proceedings of National Acadademy of Science, USA</b> 101 4170-4174.(2004)</p> <p>(15)<u>Sakurai, S.</u>, Kitano, K., Yamaguchi, H., Okada, K., Hamada, K., Fukuda, K., Uchida, M., Ohtsuka, E., Morioka, H., Hakoshima, T. Structural basis for recruitment of human flap endonuclease 1 to PCNA. <b>EMBO Journal</b> 24, 683-693 (2005).</p>				

研究科	物質創成科学研究科
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## 大学院学生の学会発表、論文発表数

区分	平成16年度	平成17年度	平成18年度	備考
学会発表数	261 回	290 回	318 回	
論文発表数(学生が学術雑誌等(紀要、論文集等も含む)に発表したもの(印刷済及び採録決定済のものに限り査読中・投稿中のものを除く。))	85 件	88 件	92 件	
<p><b>主な発表論文</b> (平成16年度～平成18年度の期間に、専攻に所属する学生の主な発表論文。学生に下線を付している。)</p> <p>(1)A. Ishizumi and Y. Kanemitsu: "Luminescence Spectra and Dynamics of Mn-Doped CdS Core/Shell Nanocrystals" <i>Advanced Materials</i> 18 (2006) 1083-1085.</p> <p>(2)Anisotropy of surface vibration measured by temperature dependence of RHEED spot intensity, M. Hashimoto, S. Takeda, H. Daimon, <i>Phys. Rev. B</i> 71, 113314-1-4, March (2005).</p> <p>(3)Photogenerated holon-doublon cluster states in strongly correlated low-dimensional electron systems, Hiroki Gomi, Akira Takahashi, Toshihiro Ueda, Hisashi Itoh, and Masaki Aihara, <i>Phys. Rev. B</i>, Vol.71,</p> <p>(4)Switching in Molecular Shapes: Main Chain Length Driven Rod- Circle Transition of Isolated Helical Polysilane Akihiro Ohira, Sun-Young Kim, Michiya Fujiki, Yusuke Kawakami, Masanobu Naito, Giseop Kwak, and Anubhav Saxena <i>Chem. Commun.</i> pp 2705-2707 (2006).</p> <p>(5)T. Furumiya, D. C. Ng, K. Yasuoka, K. Kagawa, T. Tokuda, M. Nunoshita, J. Ohta, "Functional verification of pulse frequency modulation-based image sensor for retinal prosthesis by in vitro electrophysiological experiments using frog retina," <i>Biosensors and Bioelectronics</i>, 21 (7), 1059-1068, 2006.</p> <p>(6)N.Zhong, S.Okamura, K.Uchiyama, and T. Shiosaki, "Single-ionized-oxygen-vacancy-related dielectric relaxation in Bi<sub>3</sub>.25La<sub>0.75</sub>Ti<sub>3</sub>O<sub>12</sub> ferroelectric films", <i>Applied Physics Letters</i> 87, (2005) 252901</p> <p>(7)H.Kirimura, Y.Uraoka, T.Fuyuki, M.Okuda, I.Yamashita, "Study of low-temperature crystallization of amorphous Si film obtained using ferritin with Ni nanoparticles", <i>Appl. Phys. Lett.</i>, 86, 262106-1 ~ 262106-3, 2005.</p> <p>(8)Novel Enhancement of Diastereoselectivity of [2 + 2] Photocycloaddition of Chiral Cyclohexenones to Ethylene by Adding Naphthalenes K. Tsutsumi, H. Nakano, A. Furutani, K. Endou, A. Merpuge, T. Shintani, T. Morimoto, and K. Kakiuchi,</p> <p>(9)Cerasome as an Infusible, Cell-Friendly, and Serum-Compatible Transfection Agent in a Viral Size K. Matsui, S. Sando, T. Sera, Y. Aoyama, Y. Sasaki, T. Komatsu, T. Terashima, and J. Kikuchi, <i>J. Am. Chem. Soc.</i>, 128 (10), 3114-3115 (2006).</p> <p>(10)"A single CH/π weak hydrogen bond governs stability and photocycle of photoactive yellow protein." M. Harigai, M. Kataoka, and Y. Imamoto <i>J. Am. Chem. Soc.</i> 128, 10646-10647 (2006).</p> <p>(11)Light-harvesting macroring accommodating a tetrapodal ligand based on complementary and cooperative coordinations Kuramochi Y, Satake A, Kobuke Y</p> <p>(12)Kawai T, Ohtsuki C, Kamitakahara M, Miyazaki T, Tanihara M, Sakaguchi Y, Konagaya S. Coating of an apatite layer on polyamide films containing sulfonic groups by a biomimetic process. <i>Biomaterials</i>, 25(19), 4529-</p> <p>(13)T. Nakashima and T. Kawai Quantum dots-ionic liquid hybrids: efficient extraction of cationic CdTe nanocrystals into an ionic liquid <i>Chem. Commun.</i> (2005)1643-1645</p> <p>(14)H. Kawaguchi, T. Mori, Y. Sato, and Y. Yamayoshi, "Optical buffer memory using polarization-bistable vertical-cavity surface-emitting lasers," <i>Japanese J. Appl. Phys., Express Lett.</i>, Vol. 45, No. 34, pp. L894-L897,</p> <p>(15)Probing the Magnetic Polarizations of Delocalized Electrons in Exchange-coupled Co/CuNi Multilayers by X-ray Magnetic Circular Dichroism Measurements K. Ishiji, H. Yamasaki, T. Masui and H. Hashizume <i>J. Phys. Soc. Jpn.</i> 74 (2005) 752-757</p> <p>(16)S. Kumagai, S. Yoshii, K. Yamada, N. Matsukawa, T. Fujiwara, K. Iwahori, I. Yamashita, "Electrostatic placement of single ferritin molecules", <i>Appl. Phys. Lett.</i> 88, 153103 (2006)</p> <p>(17)"Super-Resolution Optical Disc with High Readout Stability Using Zinc Oxide Thin Film" M. Yamamoto, G. Mori, H. Tajima, N. Takamori, A. Takahashi, <i>Jpn. J. Appl. Phys.</i> Vol.43, pp.4959-4963 (2004)</p> <p>(18)S. Kazama, T. Kai, T. Kouketsu, S. Duan, H. Oku, F. A. Chowdhury, K. Yamada, Molecular gate functionalized dendrimer membrane for CO<sub>2</sub> capture, <i>Proceedings of 8th International Conference on Greenhouse Gas Control Technologies (GHGT-8) in Trondheim, Norway, Elsevier (2006) ISBN:0-08-046407-6</i></p>				