

- (1) O.Uchino, I.Morino, Y.Yoshida, N.Kikuchi, M.Inoue, K.Nakano, T.Yokota, D.Wunch, P.Wennberg, G.Toon, J.Noitholt, V.Sherlock, B.Liley, D.Griffith, S.Kawakami, H.Ohyama, T.Nagai, T.Sakai, K.Arai, H.Okumura, Advanced validation of the GOSAT observed CO₂ and CH₄ at TCCON and prioritized observation sites, Geophysical Research Abstract, Vol. 14, EGU 2012, General Assembly, 2012.
- (2) K.Arai, MultiResolution Analysis: MRA based bright band height estimation with Precipitation Radar data, International Journal of Applied Science, 3, 1, 1-8, 2012.
- (3) K.Arai, R.Mardiyanto, Evaluation of users' impact for using the proposed eye based HCI with moving and fixed keyboard by using eeg signals, International Journal of Research and review on Computer Science, 2, 6, 1228-1234, 2012.
- (4) K.Arai, R.Mardiyanto, Electric wheel chair controlled by human eyes only with obstacle avoidance, International Journal of Research and review on Computer Science, 2, 6, 1235-1242, 2012.
- (5) K.Arai, T.Harsono, Micro traffic flow model taking into account drivers' behavior and its application to evacuation simulations, International Journal of Research and review on Computer Science, 2, 6, 1243-1249, 2012.
- (6) K.Arai, T.Herman, Efficiency improvement of e-learning document search engine for mobile browser, International Journal of Research and review on Computer Science, 2, 6, 1287-1291, 2012.
- (7) K.Arai, Monte Carlo ray tracing simulation for bi-directional reflectance distribution function and grow index of tealeaves estimations, International Journal of Research and Review on Computer Science, 2, 6, 1313-1318, 2012.
- (8) K.Arai, Visualization of 3D object shape complexity with wavelet descriptor and its application to image retrievals, Journal of Visualization, 15, 2, 155-166, 2012.
- (9) K.Arai, Y.Herdiyeni, H.Okumura, Comparison of 2D and 3D local binary pattern in lung cancer diagnosis, International Journal of Advanced Computer Science and Applications, 3, 4, 84-95, 2012.
- (10) 新井康平、R.Mardiyanto, 視線入力に基づくロボットアーム制御および摂食支援システム、電気学会論文誌、C132, 3, 416-423, 2012.
- (11) K.Arai, Sensor network for landslide monitoring with laser ranging system avoiding rainfall influence on laser ranging by means of time diversity and satellite imagery data based landslide disaster relief, International Journal of Advanced Computer Science and Applications, 3, 1, 1-12, 2012.
- (12) K.Arai, C.Rahmad, Wavelet based image retrieval method, International Journal of Advanced Computer Science and Applications, 3, 4, 6-11, 2012.
- (13) K.Arai, T.Herman, E-learning document search method with supplemental keywords derived from keywords in meta-tag and descriptions which are included in the header of the first search result, International Journal of Advanced Computer Science and Applications, 3, 4, 99-104, 2012.
- (14) K.Arai, Method for leaning efficiency improvements based on gaze location notifications on e-learning content screen display, International Journal of Advanced Research in Artificial Intelligence, 1, 3, 1-6, 2012.
- (15) K.Arai, Counter measure for round trip delay which occurs in between satellite and ground with software network accelerator, International Journal of Advanced Computer Science and Applications, 3, 5, 116-121, 2012.
- (16) K.Arai, Sonification method for representation of multi dimensional meteorological data derived from Earthly observation satellites, International Journal of Research and Review on Computer Science, 3, 2, 1538-1542, 2012.
- (17) K.Arai, T.X.Sang, Emergency rescue simulation for disabled persons with help from volunteers, International Journal of Research and Review on Computer Science, 3, 2, 1543-1547, 2012.
- (18) K.Arai, S.R.Sentinuwo, Path planning simulation for mobile robot using CA model to avoid transient obstacles, International Journal of Research and Review on Computer Science, 3, 2, 1548-1553, 2012.
- (19) K.Arai, I.N.Abdullah, H.Okumura, Automatic detection method for clustered micro calcification in mammogram image based on statistical texture features, International Journal of Advanced Computer Science and Applications, 3, 5, 7-11, 2012.

- (20) K.Arai, I.N.Abdullah, H.Okumura, Automatic detection method for clustered micro calcification in mammogram image based on statistical texture features, *International Journal of Advanced Research in Artificial Intelligence*, 1, 3, 22-26, 2012.
- (21) K.Arai, T.Herman, Video searching optimization with supplemental semantic keyword for e-learning video searching, *International Journal of Research and Review on Computer Science*, 3, 3, 1640-1644, 2012.
- (22) K.Arai, A.Basuki, T.Harsono, Hot mudflow prediction area model and simulation based cellular automata for LUSI and plume at Sidoarjo East Jawa, *Journal of Computational Science* 3, 150-158, 2012.
- (23) 東健太、新井康平、積算を目的としたしきい値の自動選定法、*日本写真測量学会誌*、51, 2, 84-94, 2012.
- (24) K.Arai, Fractal model based tea tree and tealeaves model for estimation of well opened tealeaf ratio which is useful to determine tealeaf harvesting timing, *International Journal of Research and Review on Computer Science*, 3, 3, 1628-1632, 2012.
- (25) K.Arai, Wearable healthy monitoring sensor network and its application to evacuation and rescue information server system for disabled and elderly person, *International Journal of Research and Review on Computer Science*, 3, 3, 1633-1639, 2012.
- (26) K.Arai, M.Oda, Effect of pronunciation practice system based on personalized CG animations of mouth movement model, *International Journal of Advanced Computer Science and Applications*, 3, 6, 125-130, 2012.
- (27) K.Arai, X.Q. Bu, Comparative study between the proposed GA based ISODATA clustering and the conventional clustering methods, *International Journal of Advanced Computer Science and Applications*, 3, 7, 125-131, 2012.
- (28) K.Arai, T.X.Sang, N.T.Uyen, Task allocation model for rescue disable persons in disaster area with help of volunteers, *International Journal of Advanced Computer Science and Applications*, 3, 7, 96-101, 2012.
- (29) 新井康平、視線に基づくヒューマンコンピュータインタラクションとその応用システム、*画像電子学会誌*、41, 3, 296-301, 2012.
- (30) K.Arai, Monte Carlo simulation of polarized atmospheric irradiance for determination of refractive index of aerosols, *International Journal of Research and Review on Computer Science*, 3, 4, 1744-1748, 2012.
- (31) K.Arai, DP matching based image retrieval method with wavelet Multi Resolution Analysis: MRA which is robust against magnification of image size, *International Journal of Research and Review on Computer Science*, 3, 4, 1738-1743, 2012.
- (32) K.Arai, Levenberg Marquardt of non-linear optimization method with numerically calculated derivatives of Jacobean matrix for water vapor and air temperature profile estimation with IR sounder data, *International Journal of Research and Review on Computer Science*, 3, 5, 1802-1807, 2012.
- (33) K.Arai, Y.Terayama, Monte Carlo ray tracing simulation of polarization characteristics of sea water which contains spherical and non-spherical shapes of suspended solid and phytoplankton, *International Journal of Advanced Computer Science and Applications*, 3, 6, 85-89, 2012.
- (34) K.Arai, Simultaneous estimation of geophysical parameters with microwave radiometer data based on accelerated Simulated Annealing: SA, *International Journal of Advanced Computer Science and Applications*, 3, 7, 90-95, 2012.
- (35) K.Arai, Image clustering method based on density maps derived from Self Organizing Mapping: SOM, *International Journal of Advanced Computer Science and Applications*, 3, 7, 102-107, 2012.
- (36) R.Mardiyanto, K.Arai, Eye-based Human Computer Interaction (HCI) A new keyboard for improving accuracy and minimizing fatigue effect, *Scientific Journal Cursor*, (ISSN 0216-0544), 6, 3, 1-4, 2012.
- (37) K.Arai, R.Mardiyanto, Moving keyboard for eye-based Human Computer Interaction: HCI, *画像電子学会誌*、41, 4, 398-405, 2012.
- (38) A.Basuki, K.Arai, Probabilistic Cellular Automata approach for predicting forest fire spreading area (Case study: Forest fire on Kalimantan), *Journal of Electronics, Mechanics & Robotics, Informatics & Computer, Telecommunications (EMITTER)*, 2, 2, 124-131, 2012.

- (39) T.Harsono, K.Arai, Deceleration in the evacuation from disaster area, *Journal of Electronics, Mechanics & Robotics, Informatics & Computer, Telecommunications (EMITTER)*, 2, 2, 203-210, 2012.
- (40) K.Arai, Y. J. Sun, Effects of business process re-engineering: BPR for local government Information Systems, *International Journal of Research and Review on Computer Science*, 3, 4, 1755-1760, 2012.
- (41) K.Arai, Monte Carlo based non-linear mixture model of earth observation satellite imagery pixel data, *International Journal of Advanced Computer Science and Applications*, 3, 8, 18-22, 2012.
- (42) K.Arai, S.R.Sentinuwo, Spontaneous breaking and lane changing effect on traffic congestion using Cellular Automata model applied to the two-lane traffic, *International Journal of Advanced Computer Science and Applications*, 3, 8, 39-47, 2012.
- (43) K.Arai, R.A.Asunara, Human gait gender classification in spatial and temporal reasoning, *International Journal of Advanced Research in Artificial Intelligence*, 1, 6, 1-6, 2012.
- (44) K.Arai, E-learning system which allows students' confidence level evaluation with their voice when they answer to the questions during achievement tests, *International Journal of Advanced Computer Science and Applications*, 3, 9, 80-84, 2012.
- (45) K.Arai, Free Open Source Software: FOSS based GIS for spatial retrievals of appropriate locations for ocean energy utilizing electric power generation plants, *International Journal of Advanced Computer Science and Applications*, 3, 9, 95-99, 2012.
- (46) K.Arai, Error analysis of air temperature profile retrievals with microwave sounder data based on minimization of covariance matrix of estimation error, *International Journal of Advanced Computer Science and Applications*, 3, 9, 85-89, 2012.
- (47) 新井康平、R.Mardiyanto, 音声コミュニケーション能力と視線走行制御機能を有するヘルパーロボット、*画像電子学会誌*、41, 5, 535-542, 2012.
- (48) Y.Herdinyeni, E.Nufahillah, K.Arai, H.Okumura, A computer aided system for tropical leaf medicinal plant identification, *International Journal of Computer Science Issues*, to appear
- (49) K.Arai, Ray tracing simulation for estimation of phase function of relatively large aerosol particles containing bubbles and experimental validity check, *International Journal of Research and Review on Computer Science*, 3, 5, 1812-1816, 2012.
- (50) K.Arai, Estimation method of Sea Surface Temperature: SST with MODIS data in particular utilizing Band 29 for reducing water vapor influence on SST retrievals, *International Journal of Research and Review on Computer Science*, 3, 5, 1808-1812, 2012.
- (51) K.Arai, Clustering method based on Messy Genetic Algorithm: GA for remote sensing satellite image clustering, *International Journal of Advanced Research in Artificial Intelligence*, 1, 8, 6-11, 2012.
- (52) K.Arai, Visualization of link structure and URL retrievals utilization of interval structure of URLs based on brunch and bound algorithms, *International Journal of Advanced Research in Artificial Intelligence*, 1, 8, 12-16, 2012.
- (53) O.Uchino, T.Sakai, T.Nagai, I.Morino, K.Arai, H.Okumura, S.Takubo, T.Kawasaki, Y.mano, T.Matsunaga, T.Yokota, On recent stratspheric aerosols observed by Lidar over Japan, *Journal of Atmospheric Chemistry and Physics*, 12, 11975-11984, 2012(doi:10.5194/acp-12, 11975-2012).
- (54) K.Arai, Sensitivity analysis for water vapor profile estimation with infrared sounder data based on inversion, *International Journal of Advanced Computer Science and Applications*, 3, 11, 65-70, 2012.
- (55) K.Arai, Evaluation of regressive analysis based sea surface temperature estimation accuracy with NCEP/GDAS data, *International Journal of Advanced Computer Science and Applications*, 3, 11, 47-52, 2012.
- (56) K.Arai, Wavelet based change detection for four dimensional assimilation data in space and time domains, *International Journal of Advanced Computer Science and Applications*, 3, 11, 71-75, 2012.
- (57) K.Arai, T.Fukamachi, H.Okumura, S.Kawakami, H.Ohyama, Sensitivity analysis of Fourier Transformation Spectrometer: FTS against observation noise on retrievals of carbon dioxide and methane, *International Journal of Advanced Computer Science and Applications*, 3, 11, 58-64, 2012.

- (58) K.Arai, Method for face identification with Facial Action Coding System: FACS based on eigen value decomposition, *International Journal of Advanced Research in Artificial Intelligence*, 1, 9, 34-38, 2012.
- (59) K.Arai, Method for 3D object recognition using several portion of 2D images through different aspects acquired with image scope included in the fiber retractor, *International Journal of Advanced Research in Artificial Intelligence*, 1, 9, 14-19, 2012.
- (60) K.Arai, Method for image source separation by means of independent component analysis: ICA, Maximum entropy method, and wavelet based method, *International Journal of Advanced Computer Science and Applications*, 3, 11, 76-81, 2012.
- (61) K.Azuma, K.Arai, N.Ishitsuka, A thresholding method to estimate quantities of each class, *International Journal of Applied Science*, 3, 2, 1-11, 2012.
- (62) K.Arai, I.N.Abdulah, H.Okumura, Identification of ornamental plant functioned as medicinal plant based on redundant discrete wavelet transformation, *International Journal of Computer Applications*, to appear.
- (63) 小田まり子、田口浩太郎、河野央、小田誠雄、新井康平、知的障害児のためのCGを用いた文字発音教育支援ソフトウェアの開発、久留米工業大学研究報告、to appear.
- (64) K.Arai, Monte Carlo ray tracing based sensitivity analysis of the atmospheric and oceanic parameters on the top of the atmosphere radiance, *International Journal of Advanced Computer Science and Applications*, 3, 12, 7-13, 2012.
- (65) K.Arai, Method for water vapor profile retrievals by means of minimizing difference between estimated and brightness temperature derived from AIRS data and radiative transfer model, *International Journal of Advanced Computer Science and Applications*, 3, 12, 145-148, 2012.
- (66) K.Arai Error analysis on estimation method for air temperature, atmospheric pressure, and relative humidity using absorption due to CO₂, O₂, and H₂O which situated at around near infrared wavelength regions, *International Journal of Advanced Computer Science and Applications*, 3, 12, 192-196, 2012.

査読付きコンファレンス論文

- (1) H.Okumura, M.Fukusaki, S.Takubo, K.Arai, Development of a human vision simulation camera and its application, *Proceedings of SPIE, Vol.8295A, Image Processing, Algorithms, and Systems*, 2012.
- (2) K.Arai, Data hiding method based on Dyadic wavelet transformation improving in-visibility of secret images on circulation images by means of run length coding with permutation matrix based on random number, *Proceedings of the Information Technology for Next Generation: ITNG conference 2012*, 189, 2012.
- (3) K.Arai, R.Andrie, Gait recognition method based on wavelet transformation and its evaluation with Chinese Academy of Science (CASIA) gait database as human gait recognition dataset, *Proceedings of the Information Technology for Next Generation: ITNG conference 2012*, 213, 2012.
- (4) K.Arai, Cell based GIS as Cellular Automata for disaster spreading prediction and required data systems, *CODATA Data Science Journal*, 137-141, 2012.
- (5) I.Morino, O.Uchino, Y.Yoshida, N.Kikuchi, M.Inoue, K.Nakamae, T.Yokota, V.Sherlock, B.Liley, S.Kawakami, H.Ohyama, T.Nagai, T.Sakai, K.Arai, H.Okumura, Advanced validation of the GOSAT observed Co₂ and CH₄ at prioritized observation sites, *AGU Fall Meeting, A063*, 2012.
- (6) H. Okumura, S.Takubo, T.Kawasaki, I.N.Abdulah, T.Sakai, T.Maki, K.Arai, Web based data acquisition and management system for GOSAT validation Lidar data analysis, *Proceedings of the SPIE Vol.8537, Conference 8537: Image and Signal Processing for remote Sensing*, Paper #8537-43, system, 2012.
- (7) T.Sakai, H. Okumura, T.Kawasaki, I.N.Abdulah, O.Uchino, I.Morino, T.Yokota, T.Nagai, T.Sakai, T.Maki, K.Arai, Observation of aerosol parameters at Saga using GOSAT product validation Lidar, *Proceedings of the SPIE Vol.8526, Conference 8526: Lidar Remote Sensing for Environmental Monitoring XIII, SPIE Asia-Pacific Remote Sensing*, Paper #8295A-50,IP1, 2012.

招待論文

- (1) 新井康平、地球観測衛星画像解析へのウェーブレット解析の応用、文部科学省、大阪教育大学共催平成 24 年度数理科学と諸科学・産業との連携研究ワークショップ、Proceedings of the MEXT & OKU 2012 Workshop on Wavelet theory and its applications to engineering, 75-98, 2012.
- (2) 新井康平、フラクタル図形(図形と相似)、佐賀市教育委員会教科等研究会数学部会主催 ICT 活用授業、城南中学校、2012.
- (3) 新井康平、第 1 次産業への IT 化適用例(衛星の恵み「うれしの茶」誕生秘話、九州デジタルエンジニアリング研究会主催農水工連携講演会、2012.
- (4) K.Arai, Mobile learning systems and its content retrievals, Keynote Speech for the Industrial Electronics Seminar: IES 2012, 2012.
- (5) K.Arai, Multimedia learning contents, Keynote Lecture for the Third Country Training Program and Education for Computer Based Industrial Automation: TCTP 2012, The International Training Course of Computer and Information Engineering Education for Third Party Countries supported by JICA, 2012.
- (6) K.Arai, Trend analysis of Terra/ASTER/VNIR radiometric calibration through onboard and vicarious calibration as well as cross calibration with MODIS, Solicited paper of the 39th COSPAR Scientific Assembly of the Committee on Space Research of ICSU (International Council for Science/United Nation), A3.1-0034-12, ID#28042012, 2012.

一般論文

- (1) 新井康平、QSAT/EOS のミッション、地すべり、斜面崩壊、山腹崩壊、土砂災害等モニター・警戒システム、被災情報通報システム、高齢者等災害弱者避難誘導システム、平成 23 年度日本リモートセンシング学会九州支部リモートセンシングシンポジウム、2012.
- (2) 新井康平、寺山康教、モンテカルロ・レイトレーシングに基づく偏光観測データを用いた赤潮形状識別、平成 23 年度日本リモートセンシング学会九州支部リモートセンシングシンポジウム、2012.
- (3) 新井康平、大屋健太郎、長期代替校正トレンド解析による地表面反射率計測誤差の代替校正精度に及ぼす影響、平成 23 年度日本リモートセンシング学会九州支部リモートセンシングシンポジウム、2012.
- (4) 新井康平、有高宏顕、フラクタルによる茶木モデルを用いたモンテカルロ・レイトレーシングに基づく茶葉反射モデル、平成 23 年度日本リモートセンシング学会九州支部リモートセンシングシンポジウム、2012.
- (5) 新井康平、山田裕士、ウェーブレットによる赤潮識別、平成 23 年度日本リモートセンシング学会九州支部リモートセンシングシンポジウム、2012.
- (6) 新井康平、猿澤雄一、ASTER,MODIS の相互校正、平成 23 年度日本リモートセンシング学会九州支部リモートセンシングシンポジウム、2012.
- (7) 新井康平、深町拓也、FTS 観測に基づく CO₂,CH₄ の推定及び誤差解析、平成 23 年度日本リモートセンシング学会九州支部リモートセンシングシンポジウム、2012.
- (8) 新井康平、森田剛史、4 次元同化データ、測風データの可聴化、平成 23 年度日本リモートセンシング学会九州支部リモートセンシングシンポジウム、2012.
- (9) 田久保祥一郎、川崎健、奥村浩、新井康平、内野修、永井智広、酒井哲、真野裕三、森野勇、横田達也、佐賀大学における GOSAT プロダクツ地上検証用ライダーの運用、平成 23 年度日本リモートセンシング学会九州支部リモートセンシングシンポジウム、2012.
- (10) K.Arai, T.Herman, Method for information extraction from Japan TV commercial, Proceedings of the 260th conference in Saga of Image and Electronics Engineering Society of Japan, 19-25, 2012.
- (11) K.Arai, T.X. Sang, Multi agent based rescue simulation for disabled persons with the help of volunteers in emergency situation, Proceedings of the 260th conference in Saga of Image and Electronics Engineering Society of Japan, 81-85, 2012.
- (12) K.Arai, S.R. Sentinuwo, Local path planning using CA model to avoid transient obstacles for robotic on hospital corridor, Proceedings of the 260th conference in Saga of Image and Electronics Engineering Society of Japan, 86-93, 2012.

- (13) K.Arai, R.Andrie, Human gait estimation for handicapped person, Proceedings of the 260th conference in Saga of Image and Electronics Engineering Society of Japan, 115-122, 2012.
- (14) K.Arai, R.Mardiyanto, The eye based domestic helper robot allowing patient to be self-services through voice communications, Proceedings of the 260th conference in Saga of Image and Electronics Engineering Society of Japan, 139-142, 2012.
- (15) 新井康平、山田裕士、符号化多値画像を鍵画像とするデータハイディングの視認困難度の向上、Proceedings of the 260th conference in Saga of Image and Electronics Engineering Society of Japan, 195-198, 2012.
- (16) KoArai, R.Andrie, Human gait gender classification in natural condition utilizing NIR camera, Proceedings of the 260th conference in Saga of Image and Electronics Engineering Society of Japan, 203-210, 2012.
- (17) 新井康平、視線入力システムとその応用、Proceedings of the 260th conference in Saga of Image and Electronics Engineering Society of Japan, 223-230, 2012.
- (18) K.Arai, C.Rahmad, Wavelet based image retrievals, Proceedings of the 260th conference in Saga of Image and Electronics Engineering Society of Japan, 243-247, 2012.
- (19) 東健太、新井康平、積算を目的としたしきい値の自動選定法、日本写真測量学会平成 24 年次学術講演会、K-1, 2012.
- (20) 内野修、酒井哲、中前久美、森野勇、新井康平、奥村浩、田久保祥一郎、川崎健、Ben Liley、柴田隆、真野裕三、松永恒雄、横田達也、ライダーで観測した最近の成層圏エアロゾル層の増加と気候等への影響、日本気象学会、2012 年度秋季大会、2012.
- (21) 新井康平、フラクタル図形(図形と相似)、佐賀市教育委員会教科等研究会数学部会主催 ICT 活用授業、城南中学校、2012.
- (22) 内野修、永井智広、酒井哲、中前久美、森野勇、田久保祥一郎、川崎健、奥村浩、新井康平、中里真久、真野裕三、松永恒雄、横田達也、GOSAT プロジェクト検証用可搬型ライダーによる観測、第 30 回レーザセンシングシンポジウム、2012.
- (23) 真木貴史、酒井哲、中里真久、柴田隆、出手真、梶野瑞王、森野勇、奥村浩、新井康平、田久保祥一郎、川崎健、内野修、数値モデル予測した対流圏オゾンとライダー観測との比較ー対流圏オゾン監視予測技術の向上に向けてー、第 30 回レーザセンシングシンポジウム、2012.
- (24) 小田まり子、田口浩太郎、河野央、小田誠雄、新井康平、知的障害児のための文字・発音学習ソフトウェアの開発、教育システム情報学会全国大会、F4-5, 214-215, 2012.
- (25) 新井康平、小型カメラによる視線入力システム開発とその応用、佐賀大学先進ヒューマンケア科学研究会主催、産学官連携シンポジウム 2012.
- (26) 内野修、酒井哲、永井智広、森野勇、奥村浩、田久保祥一郎、川崎健、新井康平、中里真久、松永恒雄、横田達也、差分吸収法ライダーによる佐賀上空の対流圏オゾン観測、第 38 回計測自動制御学会リモートセンシングシンポジウム、2012.
- (27) 新井康平、地球観測衛星画像解析へのウェーブレット解析の応用、文部科学省、大阪教育大学共催平成 24 年度数理科学と諸科学・産業との連携研究ワークショップ、Proceedings of the MEXT & OKU 2012 Workshop on Wavelet theory and its applications to engineering, 75-98, 2012.
- (28) 新井康平、九州発超小型地球観測衛星のデータ処理解析利用計画、第 56 回宇宙科学技術連合講演会、3M05, 2012.
- (29) 麻生茂、八坂哲雄、大田治彦、花田俊也、谷泰寛、室園昌彦、平山寛、鶴田佳宏、大西俊輔、大村勝俊、新井康平、西尾正則、趙孟佑、九州発地球観測超小型衛星 QSAT-EOS の開発について、第 56 回宇宙科学技術連合講演会、3M04, 2012.
- (30) 新井康平、R.Mardiyanto, グループホーム内走行ヘルパーロボット、佐賀大学 BMI 研究会主催大学改革推進経費研究プロジェクトワークショップ、2012.
- (31) 新井康平、R.Andrie, カメラ撮像による歩行良否識別、佐賀大学 BMI 研究会主催大学改革推進経費研究プロジェクトワークショップ、2012.
- (32) 新井康平、T.X.Sang, グループホーム地域における避難救援システム、佐賀大学 BMI 研究会主催大

学改革推進経費研究プロジェクトワークショップ、2012.

(33) 新井康平、T.Herman, グループホーム内における要介護者の位置計測、佐賀大学 BMI 研究会主催
大学改革推進経費研究プロジェクトワークショップ、2012.

(34) K.Arai, T.Herman, Automatic information extraction from on-air TV commercial contents, Proceedings of
the International Conference on Convergence Content 2012, 171-172, 2012.

(35) K. Arai, A.N.Hardiyani, Avatar utilized Q/A system of e-learning content designed with Open Simulator,
Proceedings of the International Conference on Convergence Content 2012, 149-150, 2012.

(36) K.Arai, T.Herman, E-comic content adaptation method for mobile phone devices, Proceedings of the
International Conference on Convergence Content 2012, 79-80, 2012.

(37) K.Arai, X.Y.Guo, Method for 3D object of content representation and manipulations on 2D display using
human eyes only, Proceedings of the International Conference on Convergence Content 2012, 49-50, 2012.

(38) K.Arai, T.Herman, E-learning content adaptation method for smart phone based learning system, Proceedings
of the International Conference on Convergence Content 2012, 9-12, 2012.

(39) K.Arai, Vicarious calibration status, Minutes of the 40th ASTER Science Team Meeting / Radiometric
Calibration Working Group Meeting / ASTER Calibration Team Meeting, 2012.

(40) K.Arai, Field campaign report, Minutes of the 2012 Summer Field Campaign Group Meeting, 2012.

(41) K.Arai, Vicarious calibration status updates, Minutes of the 41st ASTER Science Team Meeting / Radiometric
Calibration Working Group Meeting / ASTER Calibration Team Meeting, 2012.