

The 2016 International Conference on Advanced Informatics: Concepts, Theory and Application (ICAICTA2016)

List of Accepted Papers

Track: Computational Science & Engineering

No.	Paper ID	Paper Title	Authors
1	2016-08-37-0047	Towards an Immunity-Based Approach for Preserving Energy of Data-Gathering Processes in Wireless Sensor Network Environments	Waskitho Wibisono, I Gusti Ngurah Ady Kusuma, Yoshiteru Ishida, Idris Winarno
2	2016-08-37-0064	Simulating Resilient Server using Software-Defined Networking	Idris Winarno, Yoshiteru Ishida
3	2016-08-37-0126	Development of an Information System for Efficient Emergency Transportation	Moe Miyata, Sho Tolinaga, Ren Omura
4	2016-08-36-0040	Vehicle Tracking Device	Fatin Balkis Binti Alzahri, Maziani Sabudin
5	2016-08-38-0021	A New Simulation Model for Nanowire-CMOS Inverter Circuit	Yasir Hashim
6	2016-08-38-0036	Ab initio molecular simulations on the binding properties between mycobacterial FtsZ and its inhibitor	Mitsuki Fujimori, Ryushi Kadoya, Shintaro Ota, Noriyuki Kurita, Karpov Pavel, Yaroslav Blume
7	2016-08-38-0037	Effect of cofactor-binding on the specific interactions between androgen receptor and its ligand: ab initio molecular simulations	Ittetsu Kobayashi, Kanako Shimamura, Hiromi Ishimura, Ryushi Kadoya, Noriyuki Kurita, Kentaro Kawai
8	2016-08-38-0074	Ab initio molecular simulations based on FMO method for proposing potent inhibitors to reverse transcriptase of HIV	Ryosuke Takeda, Ryushi Kadoya, Ittetsu Kobayashi, Noriyuki Kurita, Pharit Kamsri, Pijitra Meewong, Pornpan Pungpo
9	2016-08-38-0075	Specific interactions between M. tuberculosis CYP130 and its inhibitors: molecular simulations using ab initio fragment molecular orbital method	Ryushi Kadoya, Mitsuki Fujimori, Ryosuke Takeda, Tatsuro Mizushima, Noriyuki Kurita, Pharit Kamsri, Pijitra Meewong, Pornpan Pungpo
10	2016-08-38-0097	Molecular dynamics and ab initio FMO simulations on the effect of water molecules on the interactions between androgen receptor and its ligand and cofactor	Kanako Shimamura, Hiromi Ishimura, Ittetsu Kobayashi, Ryushi Kadoya, Noriyuki Kurita, Kentaro Kawai,
11	2016-08-38-0084	Effect of Formation Control for Multiple Satellite Cooperation System	Tenshi Yanagimachi, Yoshiteru Ishida
12	2016-08-38-0071	Ab initio molecular simulations on specific interactions between amyloid- $\beta$ peptide and new curcumin derivatives	Shintaro Ota, Hiromi Ishimura, Mitsuki Fujimori, Noriyuki Kurita, Sergiy Shulga
13	2016-08-38-0088	Ab initio fragment molecular orbital calculations on the specific interactions between amyloid- $\beta$ peptides in an in vivo amyloid- $\beta$ fibril	Hiromi Ishimura, Ryushi Kadoya, Kanako Shimamura, Shintaro Ota, Mitsuki Fujimori, Akisumi Okamoto, Noriyuki Kurita, Sergiy Shulga
14	2016-08-40-0162	Double Chaining Algorithm: A Secure Symmetric-key Encryption Algorithm	Daniar Heri Kurniawan, Rinaldi Munir
15	2016-08-36-0078	Instruction Rearrangement and Path Limitation for ALU Cascading	Anri Suzuki, Ryotaro Kobayashi, Hajime Shimada
16	2016-08-36-0083	Reduction of Cache Energy by Switching between L1 High Speed and Low Speed Cache under application of DVFS	Kaoru Saito, Ryotaro Kobayashi, Hajime Shimada

Track: Intelligent Systems & Data Science

No.	Paper ID	Paper Title	Authors
17	2016-08-38-0055	A Binary Coded Multi-Parent Genetic Algorithm for Shuttle Bus Routing System in a College Campus	Seng Pan That Pann Phyu, Gun Srijuntongsiri
18	2016-10-43-0038	Improving Compression Based Dissimilarity Measure for Music Score Analysis	Ayaka Takamoto, Mitsuo Yoshida, Kyoji Umemura, Mayu Umemura
19	2016-10-43-0059	Predicting Football Match Results with Logistic Regression	Darwin Prasetyo, Harlili S.
20	2016-10-43-0081	Molecular Activity Prediction using Deep Learning Software Library	Yoshiki Kato, Shinji Hamada, Hitoshi Goto
21	2016-10-43-0082	Applications of Artificial Intelligence Control for Parallel Discrete-Manipulators	Felix Pasila, Roche Alimin
22	2016-10-43-0121	Model Student Selection Using Fuzzy Logic Reasoning Approach	Mohd Nor Akmal Khalid, Umi Kalsom Yusof, Looi Guo Xiang
23	2016-10-43-0128	Crowd Behaviour Modelling During Emergency Event: A Proposed framework	Wahida Zakaria, Umi Kalsom Yusof
24	2016-11-49-0170	Self-Adaptive Cyber City System	Iping Supriana, Kridanto Surendro, Aradea, Edvin Ramadhan
25	2016-10-43-0027	Detecting Vandalism on English Wikipedia Using LNSMOT Resampling and Cascaded Random Forest Classifier	Muhammad Shulhan, Dwi H. Widyantoro
26	2016-10-43-0044	Hierarchical Multilabel Classification for Indonesian News Articles	Ivana Clairine Irsan, Masayu Leylia Khodra
27	2016-10-43-0053	Aspect Based Sentiment Analysis for Review Rating Prediction	Susanti Gojali, Masayu Leylia Khodra
28	2016-10-41-0119	Exploiting Sequential Patterns to Detect Objective Aspects from Online Reviews	Toqir A. Rana, Yu-N Cheah
29	2016-10-43-0050	An Ensemble Approach to Handle Out of Vocabulary in Multilabel Document Classification	Dimas Gilang Saputra, Masayu Leylia Khodray
30	2016-10-43-0111	Word2vec Semantic Representation in Multilabel Classification for Indonesian News Article	Dyah Rahmawati, Masayu Leylia Khodra
31	2016-10-41-0056	Query Subtopic Diversification based on Cluster Ranking and Semantic Features	Md Shajalala, Md Zia Ullah, Abu Nowshed Chyc, Masaki Aono
32	2016-10-41-0031	Using Conservative Estimation for Conditional Probability instead of Ignoring Infrequent Case	Masato Kikuchi, Eiko Yamamoto, Mitsuo Yoshida, Masayuki Okabez, Kyoji Umemura
33	2016-10-41-0112	Analysis of Home Location Estimation with Iteration on Twitter Following Relationship	Shiori Hironaka, Mitsuo Yoshida, Kyoji Umemura
34	2016-10-41-0131	InaNLP: Indonesia Natural Language Processing Toolkit, Case study: Complaint Tweet Classification	Ayu Purwarianti, Alvin Andhika, Alfian Farizki Wicaksono, Irfan Afif, Filman Ferdian
35	2016-10-41-0181	Trend Identification of News Event Using Feature Reduction and K-means Clustering Modifications	Muhammad Rizky Munggaran, Saiful Akbar
36	2016-12-52-0130	Formula Management in Online Monitoring for Large Diesel Engine	Nur Ulfa Maulidevi, Masayu Leylia Khodra, Mahdan A. Al-Hasan, Teofebano Kristo, Rivandika A. Saputra
37	2016-10-41-0077	Metamodel: Capability and Performance in Structuring Knowledge of Different Domains	Siti Hajar Othman, Mohammad Nazir Ahmad, Aishah Abdullah, Rashidah Mokhtar, Zamhariah Md Zain
38	2016-10-45-0179	Infographic Visual Analytics based on Empirical Modelling for ICU Patient Data Streams	Keovessna Vong, Suwanna Rasmequan, Krisana Chinnsarn, Antony Harfield

### Track: Media Technology & Information Systems

No.	Paper ID	Paper Title	Authors
39	2016-10-43-0065	Tailored Summary for Automatic Poster Generator	Kanya Paramita, Masayu Leylia Khodra
40	2016-10-41-0122	Investigation and Construction of Dictionary for Analysis of Comments in a video sharing site	Yousuke Kawamoto, Yasuki Nishiyama, Akio Kobayashi, Hiroki Sakaji, Shigeru Masuyama
41	2016-10-41-0135	Utterance Disfluency Handling in Indonesian-English Machine Translation	Khaidzir Muhammad Shahih, Ayu Purwarianti
42	2016-10-41-0152	Relation Extraction using Dependency Tree Kernel for Bahasa Indonesia	Ditari Salsabila Esperanti, Ayu Purwarianti
43	2016-11-48-0171	Story Creation System: Bringing Up Child's Creativity with Adult's Interactive Support by Multimedia	Sanae Kuraya, Shihoko Kamisato, Yoshiteru Ishida
44	2016-11-47-0085	Paraphrase Detection using Semantic Relatedness based on Synset Shortest Path in WordNet	Jun Choi Lee, Yu-N Cheah
45	2016-11-47-0100	Effect of sympathetic relation and unsympathetic relation in multi-agent spoken dialogue system	Yuma Shibahara, Kazumasa Yamamoto, Seiichi Nakagawa
46	2016-11-47-0107	Extraction of Phrases Useful for Machine Translation	Kenta Saito, Eiko Yamamoto, Miki Ueno, Kyoko Kanzaki, Hitoshi Isahara
47	2016-11-47-0124	Developing Corpus of Japanese-English Singular Sentence Textual Entailment	Daiki Hayakawa, Masatoshi Tsuchiya, Hitoshi Isahara
48	2016-11-47-0168	Effects of Class-based Statistical Machine Translation on Unknown Names	Hitoshi Mizukami, Tomoyosi Akiba
49	2016-11-47-0169	Robust Voice Activity Detector by Combining Sequentially Trained Deep Neural Networks	S M Raufun Nahar, Atsuhiko Kai
50	2016-11-47-0180	Multi-Document Summarization using Sentence Fusion for Indonesian News Articles	Felicia Christie, Masayu Leylia Khodra
51	2016-11-47-0137	Dominant Emotion Recognition in Short Story Using Keyword Spotting Technique and Learning-based Method	Windy Amelia, Nur Ulfa Maulidevi
52	2016-11-48-0060	Designing Interaction for Deaf Youths by Using User-centered Design Approach (Case Study: Educational Media for Learning English as Foreign Language)	Vidia Anindhita, Dessi Puji Lestari
53	2016-11-48-0098	Creating 3D/Mid-air Gestures: Design Considerations for User-Centered Approach	Nur Zuraifah Syazrah Othman, Mohd Shafry Mohd Rahim, Masitah Ghazali, Sule T. Anjomshoae
54	2016-11-48-0102	Development of Eye Gaze Software for Children with Physical Disabilities	Minoru Miyamoto, Yasuyuki Shimada, Yasuhiro Maki, Koki Shibasato
55	2016-11-48-0125	Cooperation Definition Method for Smart Appliances with Single Colloquial Sentence	Ryo Nakazawa, Ren Ohmura
56	2016-08-38-0174	A visualization method for hand cleanness using fluorescent spectrum	Kazuuya Ito, Hiroshi Higashi, Shigeki Nakauchi
57	2016-10-45-0176	Detecting Arm Flapping in Children with Autism Spectrum Disorder Using Human Pose Estimation and Skeletal Representation Algorithms	Nurliyana Muty, Zati Azizul
58	2016-11-49-0123	Classification of Doll Image Dataset based on Human Experts and Computational Methods : A Comparative Analysis	Masataka Morishita, Miki Ueno, Hitoshi Isahara
59	2016-11-46-0033	Realizing Half-Diminished Reality from Video Stream of Manipulating Objects	Hayato Okumoto, Mitsuo Yoshida, Kyoji Umemura
60	2016-11-46-0043	Accurate 3-D reconstruction of sands from UAV image sequence	Ryotaro Matsunaga, Mizuki Hashimoto, Yasushi Kanazawa, Jun Sonoda
61	2016-11-46-0172	Automated Multiple Lesion Identification on Vertebral Spine using Modified Average Intensity	Sukonthee Sungkhun, Chea Keo, Ratanak Khoenun, Suwanna Rasmequan, Krisana Chinnasarn, Annupan Rodtuk
62	2016-11-46-0134	Optimization of illuminant spectrum for visual detection of foreign substances in jams	Taisei Kondo, Hiroshi Higashi, Shigeki Nakauchi
63	2016-11-46-0142	Floor-wall boundary detection from projected ellipses for autonomous robot navigation	Masataka Seki, Yasuyuki Sugaya
64	2016-11-46-0076	Shade Analysis on Facial Images for Robotic Lighting	Hisaya Okada, Shigeru Kuriyama
65	2016-11-46-0173	Optic Disc Detection via Blood Vessels Origin using Morphological End Point	Tanin Intaramanee, Suwanna Rasmequan, Krisana Chinasarn, Benchaporn Jantarakongkul, Annupan Rodtuk
66	2016-11-49-0105	Development of Multimedia Streaming Technology Over Bandwidth-Limited Network and Its Implementation in Rural Area	Yoanes Bandung, Harry Chandra Tanuwidjaja, Luki Bangun Subekti
67	2016-12-52-0080	Framework for Successful Open Source Software Implementation in the Malaysian Public Sector	Adnan Hamid, Nasuha Lee Abdullah, Rosnah Idrus