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- KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY
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المؤهل العلمي

- Ph.D in Computer Engineering
- Master in Electronic Engineering
- Bachelor of Science in Electric Engineering
- Diploma in Telecommunication & Electronic Engineering

مسؤوليات التدريس

COMPUTER ARCHITECTURE & ASSEMBLY LANGUAGE	2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015
DIGITAL SYSTEMS FUNDAMENTAL	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
FINAL YEAR PROJECT	2009/2010 2010/2011 2013/2014
INDUSTRIAL ATTACHMENT	2009/2010 2010/2011 2011/2012 2013/2014
INFORMATION SYSTEMS FOR MANAGERS	2019/2020
INTRODUCTION TO COMPUTER ORGANIZATION	2009/2010 2010/2011 2011/2012 2012/2013
INTRODUCTION TO MATHEMATICAL STATISTICS	2015/2016
IT POLICIES & ISSUES	2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2018/2019 2019/2020
RESEARCH METHODOLOGY FOR IT	2013/2014 2014/2015

المشاريع البحثية

In Progress

- 2018 - Present** - Teaching Students with Learning Disabilities in the Special Education and Inclusive Education Setting
- 2016 - Present** - Identifying and Profiling children with Learning disabilities using Algorithmic Computational Neuro-Physiological (CNP) Model
- 2016 - Present** - Diagnosis and Management of Traumatic Brain Injury: Predictive Bioimaging Markers and the assessment of the Biopsychosocial aspects of traumatic Brain Injury (TBI) patients and their caregivers

2014 - Present Brain Inspired Computational Modelling of Tugboat Master based on User Experience and Situation Awareness

Completed

- 2014 - 2016** Computational Modeling for Analyzing the Effect of Quranic Recitations on Human Emotions
- 2014 - 2018** Neuro-Navigational Computational Model of Affect for Profiling Maritime Pilot
- 2013 - 2016** A Swarm Cognition Inspired Model for the Unsupervised Learning of Morphology
- 2013 - 2016** Computational Morphological Modeling for Analyzing Chaotic Neurological Disorder
- 2013 - 2016** Visualization of Emotional Dynamic on Brain Topology using Neural Inspired Computational Model
- 2013 - 2016** Modelling the Control Parameters in the Transformation of Information Between Long Term Memory and Working Memory.
- 2011 - 2012** Understanding Pre-Emotion and Post Accident Analysis By Using Valance-Arousal
- 2010 - 2011** Preliminary Study for Establishing Children's Screening and Brain Development Understanding using Soft Computing Approach
- 2010 - 2012** Understanding Meditation Through Neural Computing Approach

المنشورات

Article

- 2020** [Detecting learning disabilities based on neuro-physiological interface of affect \(NPIoA\).](#) Indonesian Journal of Electrical Engineering and Computer Science , 9 (1) pp.163-170
- 2020** [Dynamic navigation indoor map using Wi-Fi fingerprinting mobile technology.](#) Bulletin of Electrical Engineering and Informatics , 9 (2) pp.739-746
- 2019** [Dysphoria detection using EEG signals.](#) Advances in Science, Technology and Engineering Systems Journal , 4 (4) pp.197-205
- 2019** [Dysphoria detection using EEG signals.](#) Advances in Science, Technology and Engineering Systems , 4 (4) pp.197-205
- 2019** [Resting state electroencephalogram in autism spectrum disorder identification based on neuro-physiological interface of affect \(NPIA\) modelling.](#) Journal of Computational and Theoretical Nanoscience , 16 (3) pp.1190-1195
- 2019** [Neuro-physiological porn addiction detection using machine learning approach.](#) Indonesian Journal of Electrical Engineering and Computer Science , 16 (2) pp.964-971

- 2019** [Visualization of job availability based on text analytics localization approach.](#) Indonesian Journal of Electrical Engineering and Computer Science , 16 (2) pp.744-751
- 2019** [Neuro-Physiological porn addiction detection using machine learning approach.](#) Indonesian Journal of Electrical Engineering and Computer Science , 16 (2) pp.964-971
- 2019** [Learning style analytics for children based on Neurophysiological algorithmic model of affect.](#) Journal of Engineering and Applied Sciences , 14 (3) pp.6139-6144
- 2019** [Interlaboratory data fusion repository system \(InDFuRS\) for tocotrienols-based treatment.](#) Indonesian Journal of Electrical Engineering and Computer Science , 13 (3) pp.1130-1135
- 2018** [Driver behaviour state recognition based on speech.](#) Telkomnika , 16 (2) pp.852-861
- 2018** [Affective neurophysiological algorithmic model for learning analytics profiling.](#) Journal of Fundamental and Applied Sciences , 10 (7s) pp.199-209
- 2018** [Brain developmental disorders' modelling based on preschoolers neuro-physiological profiling.](#) Indonesian Journal of Electrical Engineering and Computer Science , 12 (2) pp.542-547
- 2018** [Pornography addiction detection based on Neurophysiological computational approach.](#) Indonesian Journal of Electrical Engineering and Computer Science , 10 (1) pp.138-145
- 2017** [Affective state classification through CMAC-based model of affects \(CCMA\) using SVM.](#) Advanced Science Letters , 23 (11) pp.11369-11373
- 2017** [A conceptual framework for personality modelling in correlation with EEG-based a affect.](#) Science International (Lahore) , 29 (4) pp.803-808
- 2016** [Universality and diversity of cultural-influenced speech emotion recognition system.](#) The Social Sciences , 11 (16) pp.3828-3832
- 2016** [Emotion detection using physiological signals EEG & ECG.](#) International Journal of Advancements in Computing Technology (IJACT) , 8 (3) pp.103-112
- 2016** [Evaluation of feature extraction and classification techniques for EEG-based subject identification.](#) Jurnal Teknologi , 78 (9) pp.41-48
- 2016** [Neural network modelling of the influence of channelopathies on reflex visual attention.](#) Cognitive Neurodynamics , 10 (1) pp.49-72
- 2015** [CMAC-Based Computational Model of Affects \(CCMA\) from self-organizing feature mapping weights for classification of emotion using EEG signals.](#) International Journal of Computers and Their Applications , 22 (1) pp.31-42
- 2015** [Artifacts classification in EEG signals based on temporal average statistics.](#) Jurnal Teknologi , 77 (7) pp.73-77
- 2015** [Dynamic screening of autistic children in various mental states using pattern of connectivity between brain regions.](#) Applied Soft Computing , 32 pp.335-346

- 2015** [Affective learning analysis of children in a card sorting game.](#) Lecture Notes in Electrical Engineering , 339 pp.681-688
- 2015** [Recognition of emotions in video clips: the self-assessment manikin validation .](#) Telkomnika (Telecommunication Computing Electronics and Control) , 13 (4) pp.1343-1351
- 2015** [Emotion and mood recognition in response to video .](#) Journal of Mobile Multimedia , 11 (3&4) pp.296-312
- 2015** [Computational modeling of mood from sequence of emotions.](#) Advanced Science Letters , 21 (10) pp.2997-3001
- 2014** [ERNN: A biologically inspired feedforward neural network to discriminate emotion from EEG signal.](#) IEEE Transactions on Neural Networks and Learning Systems , 25 (3) pp.609-620
- 2014** [Generalizations of fuzzy linguistic control points in geometric design.](#) AIP Conference Proceedings , 1605 pp.244-249
- 2013** [EEG emotion recognition based on the dimensional models of emotions.](#) Procedia - Social and Behavioral Sciences , 97 pp.30-37
- 2013** [Emotion recognition model using source-temporal features and fuzzy.](#) Lecture Notes in Computer Science (LNCS) , 8226 (1) pp.577-584
- 2013** [Affective computing model using source-temporal domain.](#) Procedia - Social and Behavioral Sciences , 97 pp.54-62
- 2013** [Investigation on dynamic speech emotion from the perspective of brain associative memory..](#) Procedia Social and Behavioral Sciences , 97 pp.46-53
- 2012** [Characterizing autistic disorder based on principle component analysis.](#) Australian Journal of Basic and Applied Sciences , 6 (1) pp.149-155
- 2012** [Cultural dependency analysis for understanding speech emotion.](#) Expert Systems with Applications , 39 pp.5115-5113
- 2011** [Understanding the correlation of explicit and implicit memory effectiveness using EEG-based emotional arousal.](#) Advanced Science Letters , 4 (2) pp.310-314
- 2011** [Analyzing brain activity in understanding cultural and language interaction for depression and anxiety.](#) Procedia Social and Behavioral Sciences , 27 pp.299-305
- 2010** [EEG signals for emotion recognition.](#) Journal of Computational Methods in Sciences and Engineering , 10 (Supp.1) pp.1-11
- 2009** [Driving profile modeling and recognition based on soft computing approach.](#) IEEE Transactions on Neural Networks , 20 (4) pp.563-582
- 2009** [Features extraction for speech emotion .](#) Journal of Computational Methods in Science and Engineering , 9 (1) pp.S1-S12
- 2009** [Neuro-fuzzy icu ventilator patients modeling.](#) Journal of Computational Methods in Sciences and Engineering , 9 (2) pp.S159-S167

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- 2008 [An experimental study of the extended NRBF regression model and its enhancement for classification problem.](#) Neurocomputing , 72 pp.458-470
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- 2005 [Speaker authentication system using soft computing approaches .](#) Neurocomputing , 68 pp.13-37
- 2005 [Application of capacitive coupling to the design of an absolute-coordinate pointing device.](#) IEEE Transactions On Instrumentation and Measurement , 54 (5) pp.2099-2104
- 2004 [Application of EFUNN for the classification of handwritten digits.](#) International Journal of Computers, Systems and Signals , 5 (2) pp.27-35
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- 1998 [Novel approach to automated fingerprint recognition.](#) IEE Proceedings - Vision Image and Signal Processing , 145 (3) pp.160-166
- 1998 [Interfacing reprogrammable universal remote controller with multimedia PC.](#) Journal of Network and Computer Applications , 21 (1) pp.125-134
- 1998 [PC-controlled scent system.](#) IEEE Transactions on Consumer Electronics , 44 (1) pp.130-136
- 1996 [TR—Temporal Reasoner.](#) Expert Systems with Application , 10 (3/4) pp.449-455
- 1996 [Application of wavelet-matched filters to holographic associative memories.](#) Optics Communications , 132 (3-4) pp.217-220

Conference or Workshop Item

- 2019 [Science lab repository requirements elicitation based on text analytics.](#) In: **5th International Conference on Soft Computing in Data Science**
- 2019 [Driver behavior analysis using personality modeling in correlation with EEG-Based affect.](#) In: **8th Biennial Workshop on DSP for In-Vehicle and Mobile Systems**
- 2018 [EEG affective modelling for dysphoria understanding.](#) In: **12th International Symposium on Medical Information and Communication Technology, ISMICT 2018**

- 2018 [Neurophysiological analysis of porn addiction to learning disabilities.](#) In: **ICT4M 2018**
- 2018 [A real-life application of Neuro - Physiological interface of affect.](#) In: **Series lecture on Computational Intelligence and its Applications**
- 2018 [Neuro: physiological interface.](#) In: **Driver Behavior Analysis using Personality Modeling**
- 2018 [The effectiveness of development skills plan framework for learning disabilities children: a systematic literature review.](#) In: **5th International Congress on Information Science and Technology (CiSt) 2018**
- 2017 [Analysis of Indonesian sentiment text based on affective space model \(ASM\) using electroencephalogram \(EEG\) signals.](#) In: **11st International Conference on Informatics and Computing (ICIC 2016)**
- 2017 [Driver behavior state recognition based on silence removal speech.](#) In: **1st International Conference on Informatics and Computing, ICIC 2016**
- 2017 [Real time electrocardiogram identification with multi-modal machine learning algorithms.](#) In: **2nd International Conference of Reliable Information and Communication Technology (IRICT) 2017**
- 2017 [Message from the dean.](#) In: **6th International Conference on Information and Communication Technology for the Muslim World, ICT4M 2016**
- 2017 [Computational visualization of customer mood using affective space model approach.](#) In: **16th International Conference on New Trends in Intelligent Software Methodology Tools, and Techniques, SoMeT 2017**
- 2016 [Revolving traditional EEG device into mobile architecture.](#) In: **2016 6th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2016)**
- 2016 [Measuring customer satisfaction through speech using valence-arousal approach.](#) In: **6th International Conference on Information and Communication Technology for the Muslim World (ICT4M 2016)**
- 2016 [Automatic emotion recognition based on EEG and ECG signals while listening to quranic recitation compared with listening to music.](#) In: **6th International Conference on Information and Communication Technology for the Muslim World (ICT4M 2016)**
- 2016 [EEG-based emotion recognition while listening to Quran recitation compared with relaxing music using Valence-arousal model.](#) In: **2015 4th International Conference on Advanced Computer Science Applications and Technologies**
- 2016 [A review for future research and practice in using computer assisted instruction on vocabulary learning among children with autism spectrum disorder.](#) In: **2016 6th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2016)**
- 2016 [Statistical approach for a complex emotion recognition based on EEG features.](#) In: **2015 4th International Conference on Advanced Computer Science Applications and Technologies (ACSAT 2015)**

- 2016 [Lesson learnt from an EEG-based experiment with ADHD children in Malaysia.](#) In: **10th International Conference on Universal Access in Human-Computer Interaction, UAHCI 2016 and Held as Part of 18th International Conference on Human-Computer Interaction, HCI International 2016**
- 2016 [Electrocardiogram identification: Use a simple set of features in QRS complex to identify individuals.](#) In: **12th International Conference on Computing and Information Technology (IC2 IT)**
- 2015 [Clustering natural language morphemes from EEG signals using the Artificial Bee Colony algorithm.](#) In: **Fourth International Neural Network Society Symposia Series (INNS-CIIS 2014)**
- 2015 [Psycho-Islamic principles of retaining information in human memory: a conceptual study.](#) In: **Seminar Wahyu Asas Tamadun IV Peringkat Antarabangsa (SWAT 2015)**
- 2015 [Computational model of affective states profiling using commercial 14-channel wireless EEG.](#) In: **28th International Conference on Computer Applications in Industry and Engineering**
- 2014 [Subject-dependent and subject-independent emotional classification of CMAC-based features using EFuNN.](#) In: **27th International Conference on Computer Applications in Industry and Engineering**
- 2014 [Measuring customer perceptions index using CMAC speech emotion mapping.](#) In: **International Conference on Advanced Computer Science Applications and Technologies, ACSAT 2013**
- 2014 [Neuro-cognitive correlation of memory effectiveness and emotional arousal.](#) In: **27th International Conference on Computer Applications in Industry and Engineering, CAINE 2014**
- 2014 [Analysis of EEG signals using mathematical morphology decomposition and kurtosis: Detection of epileptiforms.](#) In: **27th International Conference on Computer Applications in Industry and Engineering, CAINE 2014**
- 2014 [Analysis of dyslexic children dynamic emotion trajectory during executive function tasks.](#) In: **27th International Conference on Computer Applications in Industry and Engineering, CAINE 2014**
- 2014 [A cognitive-affective measurement model based on the 12-point affective circumplex.](#) In: **2014 3rd International Conference on Advanced Computer Science Applications and Technologies**
- 2014 [Optimizing human memory: an insight from the study of al Huffaz.](#) In: **2014 The 5th International Conference on Information & Communication Technology for the Muslim World (ICT4M 2014)**
- 2014 [CMAC-based computational model of affects \(CCMA\) for profiling emotion from EEG signals.](#) In: **5th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [The memory of memorizers: a study of the memorization of Quran.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**

- 2014 [Systematic review of computational modeling of mood and emotion.](#) In: **2014 The 5th International Conference on Information & Communication Technology for the Muslim World (ICT4M 2014)**
- 2013 [Classification of EEG signals using MLP based on categorical and dimensional perceptions of emotions.](#) In: **The 4th International Conference on Information & Communication Technology for the Muslim World (ICT4M)**
- 2013 [Classification of dyslexic and normal children during resting condition using KDE and MLP.](#) In: **The 4th International Conference on Information & Communication Technology for the Muslim World (ICT4M)**
- 2013 [Brain Topographic Mapping of Emotions using Computational Cerebellum.](#) In: **The Tenth International Conference on Electronics Computer and Computation (ICECCO 2013)**
- 2013 [Emulating human cognitive approach for speech emotion recognition using MLP and GenSoFNN.](#) In: **The 4th International Conference on Information & Communication Technology for the Muslim World (ICT4M)**
- 2013 [Artifact processing of Epileptic EEG Signals: an overview of different types artifacts.](#) In: **2nd International Conference on Advanced Computer Science Applications and Technologies, ACSAT 2013**
- 2013 [Source-temporal-features for detection EEG behavior of autism spectrum disorder.](#) In: **2013 5th International Conference on Information and Communication Technology for the Muslim World (ICT4M)**
- 2013 [Extracting features using computational cerebellar model for emotion classification.](#) In: **2013 International Conference on Advanced Computer Science Applications and Technologies (ACSAT)**
- 2013 [Early identification of dyslexic preschoolers based on neurophysiological signals.](#) In: **2013 International Conference on Advanced Computer Science Applications and Technologies (ACSAT)**
- 2013 [Valence-arousal approach for speech emotion recognition system.](#) In: **2013 International Conference on Electronics, Computer and Computation (ICECCO 2013)**
- 2012 [Fuzzy model for detection and estimation of the degree of autism spectrum disorder.](#) In: **Proceedings of the 19th International Conference on Neural Information Processing (ICONIP 2012)**
- 2012 [Human behavior state profile mapping based on recalibrated speech affective space model.](#) In: **34th Annual International Conference of the IEEE EMBS**
- 2012 [EEG source imaging analysis of affect using sLoreta.](#) In: **The ISCA 2nd International Conference on Advanced Computing and Communication (ACC-2012)**
- 2012 [EEG affect analysis based on KDE and MFCC.](#) In: **The ISCA 2nd International Conference on Advanced Computing and Communication (ISCA-ACC-2012)**
- 2012 [Detecting Different Tasks Using EEG-Source-Temporal Features.](#) In: **Proceedings of Neural Information Processing - 19th International Conference, ICONIP 2012**

- 2012 [Affective mapping of EEG during executive function tasks.](#) In: **2012 15th International Conference on Computer and Information Technology (ICCIT)**
- 2012 [Two dimensional affective state distribution of the brain under emotion stimuli.](#) In: **34th Annual International Conference of the IEEE EMBS**
- 2011 [EEG analysis for understanding stress based on affective model basis function .](#) In: **2011 IEEE 15th International Symposium on Consumer Electronics**
- 2011 [2D affective space model \(ASM\) for detecting autistic children.](#) In: **2011 IEEE 15th International Symposium on Consumer Electronics (ISCE)**
- 2011 [Classification of EEG correlates on emotion using features from Gaussian mixtures of EEG spectrogram .](#) In: **2010 International Conference on Information and Communication Technology for the Muslim World (ICT4M)**
- 2011 [Characterizing autistic disorder based on principle component analysis.](#) In: **2011 IEEE Symposium on Industrial Electronics and Applications, ISIEA 2011**
- 2011 [Heterogeneous driver behavior state recognition using speech signal.](#) In: **10th WSEAS International Conference on System Science and Simulation in Engineering (ICOSSSE 2011)**
- 2011 [Dynamic analysis of critical features in EEG for motor imitation among Autistic children.](#) In: **10th WSEAS International Conference on Education and Educational Technology (EDU 2011)**
- 2011 [Pre-post accident analysis relates to pre-cursor emotion for driver behavior understanding.](#) In: **The 11th WSEAS International Conference on Applied Computer Science (ACS 2011)**
- 2011 [Post accident analysis of driver affection .](#) In: **IEEE 15th International Symposium on Consumer electronics**
- 2010 [Affective face processing analysis in autism using electroencephalogram.](#) In: **3rd International Conference on Information and Communication Technology for the Muslim World (ICT4M 2010)**
- 2010 [EEG-based emotion recognition using self-organizing map for boundary detection.](#) In: **2010 20th International Conference on Pattern Recognition (ICPR 2010)**
- 2010 [The dynamic emotion recognition system based on functional connectivity of brain regions.](#) In: **2010 IEEE Intelligent Vehicles Symposium, IV 2010**
- 2010 [Driver behavior analysis through speech emotion understanding.](#) In: **2010 IEEE Intelligent Vehicles Symposium, IV 2010**
- 2010 [Understanding emotion: Cognitive science perspective .](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Driver identification and driver's emotion verification using KDE and MLP neural networks.](#) In: **2010 International Conference on Information and Communication Technology for the Muslim World (ICT4M)**

- 2010 [Motor movement for autism spectrum disorder \(ASD\) detection.](#) In: **3rd International Conference on Information and Communication Technology for the Moslem World: ICT Connecting Cultures, ICT4M 2010;**
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- 2010 [أسباب انقراض الألفاظ العربية المقترضة في اللغة الملايوية \(Asbab infiradh al-alfadh al-arabiyyah al-muqtaridhah fi al-lughah al-malayuwiyyah\).](#) In: **المؤتمر الدولي للغة العربية "اللغة العربية بين الانقراض والتطور ، تحديات وتوقعات (al-Mu'tamar al-duwali lil-lughah "al-lughat al-'Arabiyah bayn al-inqirad wa al-tatawwur, tahaddiyat wa tawqi'at")**
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- 2009 [Low cost softswitch using SIP protocol.](#) In: **2009 First International Conference on Advances in Future Internet (AFIN 2009)**
- 2009 [Affective computation on EEG correlates of emotion from musical and vocal stimuli.](#) In: **The 2009 International Joint Conference on Neural Networks (IJCNN 2009)**
- 2008 [Fault tolerant hardware for high performance signal processing.](#) In: **The Fourth Advanced International Conference on Telecommunications AICT '08**
- 2008 [Speech emotion verification system \(SEVS\) based on MFCC for real time applications .](#) In: **4th International Conference on Intelligent Environments, IE 08**
- 2006 [A modified generalized RBF model with EM-based learning algorithm for medical applications.](#) In: **Nineteenth IEEE International Symposium on Computer-Based Medical Systems**
- 2006 [Model reference adaptive control on glucose for the treatment of diabetes mellitus.](#) In: **19th IEEE International Symposium on Computer-Based Medical Systems (CBMS'06)**
- 2003 [Feature extraction for neural-fuzzy inference system.](#) In: **International Joint Conference on Neural Network (IJCNN 2003)**
- 2001 [CMAC spectral subtraction for speech enhancement.](#) In: **6th International Symposium on Signal Processing and Its Applications (ISSPA 2001)**
- 2000 [Robust speech enhancement using amplitude spectral estimator.](#) In: **2000 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP'00)**
- 1999 [Biometrics electronic purse.](#) In: **IEEE Region 10 Conference TENCON '99**
- 1997 [GPS decoder.](#) In: **1997 IEEE International Symposium on Consumer Electronics**

- 1997 [Wireless pointing device using capacitive coupling.](#) In: **1997 IEEE International Symposium on Consumer Electronics**
- 1997 [Intelligent dashboard with speech enhancement.](#) In: **1997 International Conference on Information, Communications and Signal Processing (ICICS'97)**
- 1997 [A low-cost yet accurate approach to a vehicle location tracking system.](#) In: **1997 International Conference on Information, Communications and Signal Processing (ICICS'97)**
- 1996 [Programmable DSP systems using FPGA.](#) In: **1996 IEEE TENCON Digital Signal Processing Applications**
- 1996 [A VLSI median-select voter for fault tolerant signal processing applications.](#) In: **1996 3rd International Conference on Signal Processing**
- 1995 [Integration of value-added audio playback capacity into computer network.](#) In: **IEEE Singapore International Conference on Networks/International Conference on Information Engineering 1995**
- 1993 [VHDL modeling and simulation of the back-propagation algorithm and its mapping to the RM.](#) In: **IEEE 1993 Custom Integrated Circuits Conference**
- 1992 [A family of reconfigurable neurocomputers for the "intelligent factory".](#) In: **IEEE International Workshop on Emerging Technologies and Factory Automation**

Book

- 2017 [Neurophysiological computational five-factor modeling of affect for analyzing human behavior.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-683-8
- 2017 [Computational modeling of mood \(CMOM\) based on neurophysiological stimuli of affect.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-676-0
- 2017 [A novel emotion profiling based on Cmac-based computational models of affects.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-681-4

Book Section

- 2015 [Clustering natural language morphemes from EEG signals using the Artificial Bee Colony algorithm.](#) In: **Computational intelligence in information systems: proceedings of the Fourth INNS Symposia Series on Computational Intelligence in Information Systems (INNS-CIIS 2014)** Switzerland . ISBN 978-3-319-13152-8 , pp.51-60
- 2014 [Pre-and postaccident emotion analysis on driving behavior.](#) In: **Smart Mobile In-Vehicle Systems** Springer New York . ISBN 978-1-4614-9119-4 (P), 978-1-4614-9120-0 (O) , pp.225-239
- 2012 [Driver emotion profiling from speech.](#) In: **Digital signal processing for in-vehicle systems and safety** Springer Science+Business Media . ISBN 978-1-4419-9606-0 (P), 978-1-4419-9607-7 (O) , pp.21-29
- 2011 [EEG emotion recognition using features of Mel Frequency Cepstral Coefficients.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.58-76

- 2011 [Emotion detection from brain signals based on musical and visual stimuli.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.77-93
- 2011 [Understanding students' emotion while solving mathematical questions using EEG signals.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.94-110
- 2011 [Understanding stress by analyzing the brain when solving mathematical task.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.111-134
- 2011 [Classification of EEG signals for understanding affective face processing impairment in autism.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.135-154
- 2011 [Classification based on basic emotion.](#) In: **An anthology of applied computer technologies** IIUM Press . ISBN 9789674181062 , pp.205-217
- 2011 [Detection of autism spectrum disorder based on 2D Affective Space Model \(ASM\).](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.155-176
- 2011 [Detection of Autism Spectrum Disorder \(ASD\) based on motor imitation.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.177-194
- 2011 [Critical features among autistic children based on EEG for motor imitation: dynamic analysis approach.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.195-214
- 2011 [Principle component analysis for detecting autism during motor movement.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.215-236
- 2011 [Understanding human stress and depression with relation to cultural and language differences.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.237-251
- 2011 [Understanding stress using EEG-VA approach.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.252-270
- 2011 [Understanding driver behavior based on driver identification and driver's emotion verification.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.271-302
- 2011 [Understanding driver behavior according to brain signal and DASS 21 analysis.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.303-334
- 2011 [Post accident analysis by using Valence Arousal Approach \(VAA\).](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.334-357

- 2011 [Understanding driver behavior based on the relationship between pre-post accident and pre-cursor emotion.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.358-382
- 2011 [Understanding long term memory effect towards driver's pre-emotion by using EEG.](#) In: **Understanding brain developmental disorder based on EEG in soft computing approach** IIUM Press . ISBN 9789674181116 , pp.383-403
- 2011 [Basic emotions varification and identifiction using Gaussian Mixture Model \(GMM\) features extraction .](#) In: **An anthology of applied computer technologies** IIUM Press . ISBN 978-967-418-106-2 , pp.219-232
- 2011 [Basic emotions verification and identification using Gaussian Mixture Model \(GMM\) features extraction.](#) In: **An anthology of applied computer technologies** IIUM Press . ISBN 9789674181062 , pp.219-232
- 2011 [Analyzing driving behaviour using speech recognition through KDE and MLP.](#) In: **An anthology of applied computer technologies** IIUM Press . ISBN 9789674181062 , pp.21-34
- 2011 [Driver identification and driver's emotion verification using KDE and MLP neural networks.](#) In: **An anthology of applied computer technologies** IIUM Press . ISBN 9789674181062 , pp.35-53
- 2011 [Emotion speech recognition using KDE and MLP neural networks.](#) In: **An anthology of applied computer technologies** IIUM Press . ISBN 9789674181062 , pp.55-67
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