

The 5th International Conference on Internet Services Technology and Information Engineering 2017 (ISTIE 2017)



Bima Room

KUTA PARADISO HOTEL – BALI



20-21 May 2017
Bima Room, KUTA PARADISO HOTEL – BALI
Jl. Kartika Plaza, PO Box 1133, Tuban, Kuta, Bali, Indonesia.
<http://istie.org/>



Instructions for Presenters

1. Please check this Program for your presentation time(s) and room(s). Please go to the room five minutes before the session starts and report to the Session Chair.
2. Please do not exceed your allotted time. Please follow the instructions of the Session Chair.
3. If the Session Chair(s) is/are absent from the session, the last speaker should serve as the Session Chair.

Instructions for Session Chairs

Session chairs are kindly requested to do the following:

1. Calculate the time allocated for each paper in your session. The time allocated to a paper may be different in different sessions, due to uneven distributions of papers in different areas (the number to the left of a session in the "Conference Program" next page shows the number of papers allocated to this session) and a small number of absentees due to visa and other reasons.
2. Arrive at the room of the session five minutes before the session starts and identify each of the speakers for the session.
3. Do not allow presentations or the subsequent discussions to run beyond the starting time of the next presentation.
4. If the presenter of a paper is absent ("no-show"), please continue to the next presentation. Please check again at the end of the last presentation whether the "no-show" turns up. Best efforts have been made to reduce the number of no-shows; however, they may not be eliminated.
5. Each oral presentation room is equipped with an LCD projector. If something is not working properly, please contact conference staff.



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Keynote Speakers



1. Professor Dr Ah-Hwee Tan

Professor of Computer Science | Associate Chair (Research) | School of Computer Science and Engineering | Nanyang Technological University - Singapore

Title: Biologically-inspired Machine Learning Theory for Knowledge Discovery

Abstract:

Machine learning and knowledge discovery are two critical intertwined functions in next generation intelligent information systems. This talk will present a family of self-organizing neural networks, collectively known as fusion Adaptive Resonance Theory (fusion ART), for building intelligent knowledge-based systems with real-time learning capabilities. By extending the Adaptive Resonance Theory (ART) models, consisting of a single input pattern field, into a multi-channel architecture, fusion ART unifies a number of important neural network designs developed over the past decades. Based on a universal set of neural encoding and adaptation principles, fusion AT supports a myriad of machine learning paradigms, notably unsupervised learning, supervised learning, and reinforcement learning. In addition, domain knowledge in the form of symbolic rules can be inserted into fusion ART and subsequently refined as part of the network's dynamics, which maximizes exploitation of the existing knowledge while retaining the plasticity of exploring new solutions. Case studies will be presented, illustrating how such self-adaptive intelligent systems may be used as autonomous Non-Player Characters (NPC) in first-person shooting games, Computer Generated Forces (CGF) in air combat simulation, and human-like avatars in 3D virtual environment.



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Biography:

Dr Ah-Hwee Tan received Ph.D. in Cognitive and Neural Systems from Boston University, Master of Science and Bachelor of Science (First Class Honors) in Computer and Information Science from the National University of Singapore. He is currently a Professor of Computer Science and the Associate Chair (Research) at the School of Computer Science and Engineering (SCE), Nanyang Technological University. Prior to joining NTU, he was a Research Manager at the A*STAR Institute for Infocomm Research (I2R), heading the Text Mining and Intelligent Agents research programmes. His current research interests include cognitive and neural systems, brain-inspired intelligent agents, machine learning, and text mining. Dr. Tan has published ten edited books/proceeding volumes and over 200 technical papers in major international journals and conferences of his fields. He holds two US patents, five Singapore patents, and has spearheaded several A*STAR projects in commercializing a suite of knowledge management and text mining software. He serves as Associate Editor/Editorial Board Member of several journals, including IEEE Access, IEEE Transactions on Neural Networks and Learning, and IEEE Transactions on SMC Systems. He is a Senior Member of IEEE, a Member of Web Intelligence (WI) Technical Committee and Web Intelligence (WI) Conference Steering Committee, and Vice Chair of IEEE CIS Task Force on Towards Human-Like Intelligence.



2. Professor Dr. Ida Ayu Dwi Giriantari

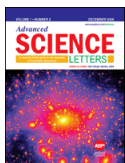
Title: TBA

Abstract: TBA

Short Bio:

Ida Ayu Dwi Giriantari is Professor in Electrical Engineering Udayana University. She hold PhD from The University of New South Wales in 2003. Her research areas are in Power Plant, Renewable Energy and Power Transformers.

She is Head of Magister Program of Electrical Engineering, Udayana University.



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The 5th International Conference on Internet Services Technology and Information Engineering 2017 (ISTIE 2017).

Day 1: 20 May 2017

08:30 - 09:00	Registration (Open for 2 days)		
09:00 - 09:10	Opening & Welcoming Speech by General & Conference Chair		
09:10 - 09:20	Welcome Dance : Bali Traditional Dance		
09:20- 10:15	Keynote Speaker 1		
10:15 - 10:30	Photo Session & Coffee Break		
10:30 - 12:00	Sessions: Information Engineering (IE) 1		
Bima Room	ISTIE 103	Computer Vision in 3D Modeling of Cultural Heritage: the Riace Bronzes	
	ISTIE 104	Relationship between Musculoskeletal Symptoms and Ergonomic Risk Factors among Office Workers	
	ISTIE 116	EXPERT SYSTEM FOR DIAGNOSIS VENEREAL DISEASE WITH DECISION TREE	
	ISTIE 117	CONSUMER RIGHT ON MISLEADING ADVERTISING: A DEVELOPMENT OF MOBILE APPS SYSTEM TO LODGE REPORT	
	ISTIE 118	A Proposed Conceptual Success Model for BYOD Implementation in Malaysian Government Agency	
	ISTIE 120	GIS-Based Provinces Clustering in Indonesia Based on the Production of Herbal Plants using K-Means	
	ISTIE 124	Block and Inode Based Forensic Analysis on EXT4 File System	
	ISTIE 125	Aesthetics UID of Discussion and Learning System Adopting Social Media	
	ISTIE 127	Multiple Attribute Evaluation for Site Selection of Donation Sacrificed Animals	
	12:00 - 13:00	Lunch Break	
	13:00 - 15:00	Sessions: Internet Services (IS) 1	
	Bima Room	ISTIE 102	Design of Electromagnetic Wave Pollutant Reducing Device Using Rectenna and Circular Polarization Microstrip Antenna
ISTIE 105		Comparing RDP and PCoIP Protocols for Desktop Virtualization in VMware Environment	
ISTIE 106		A Mobile Teaching Value Chain Framework	
ISTIE 107		Investigating Readiness of Mobile Teaching for Preschools in Rural Areas	
ISTIE 108		Designing mobile information architecture (IA) M-health learning application for traditional Malay medicinal plants with medicinal properties using user persona	
ISTIE 109		Flexibility of Mobile Messenger Application	
ISTIE 114		A Study: Enhancing Security of Anonymity Communication on The World Wide Web	
ISTIE 119		E-Government for Regional House of Representatives to Go In Digital Ecosystem By e-Agenda in The Local Government	



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	ISTIE 145	Design of Switch Operation Mode Rectenna On Analog Television UHF 476-806 MHz
	ISTIE 146	Magnetical Effects of The Non-Symmetrical Placement on Moving Parts of A Double-Sided Linear Induction Motor Type Ladder Secondary
	ISTIE 147	Developing an Information Privacy Concerns Model for Protecting Consumers' Personal Data in Energy Sector
	ISTIE 148	Efficient Cryptographic-based Technique for Privacy Preservation in Industries Practising Big Data
	ISTIE 152	Online Shopping Loyalty: The Role of Quality, Trust, Value, and Satisfaction
	ISTIE 153	Information Security Risk Assessment Framework for Cloud Computing Environment using Medical Research Design and Method
15:00 - 15:15	Coffee Break	
15:15 - 18:00	Sessions: Earth Science (ES) 1	
Bima Room	AE 102	Characterizing Geological Facies using Seismic Waveform Classification in Sarawak Basin
	AE 105	Geological features based on Spectral Decomposition: Techniques and examples from the Malay Basin
	AE 106	Petrophysical Analysis of E5 sand group of Sokor Formation, Termit Basin, Niger
	AE 107	Reducing Uncertainties in Hydrocarbon Prediction through Application of Elastic Domain
	AE 108	Lacustrine Environment Reservoir Properties on Sandstone Minerals and Hydrocarbon Content: A Case Study on Doba Basin, Southern Chad
	AE 109	Improving Vintage Seismic Data Quality through Implementation of Advance Processing Techniques
	AE 110	Importance of Seismic Diffractions for Fractures Imaging
	AE 111	Feasibility Study of SQp and SQs Attributes Application for Facies Classification
	AE 112	Structural Analysis: Fold, Faults and Fracture Classification of metasediment rock in the Peninsular Malaysia
	AE 113	STUDY OF ROCK PHYSICS AND SEISMIC ATTRIBUTES OF HYDROCARBON RESERVOIRS IN SABAH BASIN
	AE 114	New Reservoir Modelling Workflow for Sand Body Prediction Based on Elastic Properties
	AE 115	Application of FK Filtering for Coherent Noise Removal in High Frequency Shallow Marine Data
	AE 116	Imaging of karsts on buried carbonate platform in Central Luconia Province, Malaysia
	AE 117	Sedimentology and Geomorphology Analysis of Coastal Area along Pantai Penarik, Terengganu before and During Northeast Monsoon Season
	AE 118	Numerical Modeling for Quantitative Environmental Risk Assessment for the Disposal of Drill Cuttings and Mud
	AE 119	Relationship of oil seep in Kudat Peninsula with surrounding rocks based on geochemical analysis
	AE 120	INVESTIGATION OF THE THERMOPHYSICAL PARAMETERS PROPERTIES FOR ENHANCING OVERPRESSURE MECHANISM ESTIMATION. CASE STUDY: MIRI AREA, WEST BARAM DELTA
	AE 121	Diagenetic History of Late Oligocene-Early Miocene Carbonates in East



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		Sabah, Malaysia
	AE 123	Depth Imaging Enhancement Using Reverse Time Migration
19:00 - end	Gala Dinner & Bali Hospitality	

Day 2: 21 May 2017

08:30 - 09:00	Registration	
09:00 - 09:10	Welcome Remark	
09:10 - 10:00	Keynote Speaker 2	
10:00 - 10:15	Coffee Break	
10:15 - 12:00	Sessions: Internet Services (IS) 2	
Bima Room	UBWCN 101	An ARQ Retransmission Scheme for Real-Time Video Multicasting over Mobile Communication Networks
	UBWCN 102	Implementation of Multilayer Based Reversible Gate Using Quantum-Dot Cellular Automata
	UBWCN 103	Low Complexity QCA Binary to Gray Code Converter
	UBWCN 104	Area Efficient QCA Barrel Shifter
	UBWCN 107	Reversible Computing in QCA Based on Toffoli Gate
	MTHCI 101	Software Dedicated to Training Students and Professionals About Medical Information System for Disaster Risk Reduction
	MTHCI 102	Assessing Health Symptoms on Intelligent IoT-based Healthcare System
	ISTIE 122	The Flexibility of Whatsapp Application
	ISTIE 123	Running Participatory Design With College Students : A Lesson Learnt
	ISTIE 127	Multiple Attribute Evaluation for Site Selection of Donation Sacrificed Animals
	ISTIE 128	Analysis and Design Systems for Application Development of Mobile Phones as Health Problems Assistant
	ISTIE 129	Designing of Encryption Algorithm Based on Visual Cryptography and Linear Feedback Shift Register
12:00 - 13:00	Lunch Break	
13:00 - 15:00	Session : Information Engineering (IE) 2	
Bima Room	ISTIE 130	A Novel Solution Structure to Improve the Performance of Meta-heuristics in Solving Travelling Salesman Problem
	ISTIE 131	Analysis Survival for Cancer Patient with Stacked Method
	ISTIE 132	The Implementation Of Vector Space Model For Infectious Disease Diagnosis System Based On Pathophysiology Science
	ISTIE 133	A Comparative Study of Text Classifier for Mobile Crowdsensing Applications
	ISTIE 134	A Proposed False Report Identification Algorithm for a Mobile Application in the IoT Environment
	ISTIE 135	Exploring Usability Key Issues Regarding Research Management Information System: A Case Study in Research Institute



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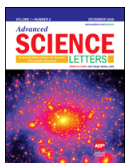
	ISTIE 139	An Emotion-Space Model of Multimodal Emotion Recognition
	ISTIE 140	Contemplate on Identifying the best Wavelet Filter and Filter Order for Medical Image Compression
	ISTIE 141	Efficient Plant Leaf Classification based on Shape, Texture and Margin Features
	ISTIE 142	Sound Characteristics of Dehumidifier
	ISTIE 143	A Study on Definition of Unknown Sound using a Signal Processing
	ISTIE 144	A New Judgment of Intoxication using P-cepstrum Amplitude Compare in Speech Signal
	ISTIE 154	On a similarity analysis to Family Voice
	ISTIE 155	On Alternative Methods of Sound Absorption using Acoustic Characteristics
	ISTIE 156	Page Rank Algorithm and Weighted Page Rank Algorithm: A Comparative Study
	ISTIE 157	On an Analysis of the Korean Presidential Candidate, Ahn Cheol-soo's Speech
	ISTIE 160	Quantum Genetic Algorithm for Evolving Neural Controllers
	ISTIE 161	Simulation of Tantalum and Niobium Pentoxides Extraction from Bangka Tin Slag Waste
	ISTIE 163	A Development of Smart Aquarium Prototype: Water Temperature System for Shrimp
15:00 - 15:15	Coffee Break	
15:15 - 17:00	Session :	Earth Science (ES) 2
Bima Room	AE 123	Depth Imaging Enhancement Using Reverse Time Migration
	AE 124	Analysis on the Overpressure characterization respect to depositional environment facies: Case study in Miri Area, Baram Delta
	AE 125	Seismic input optimisation for Joint Migration Inversion on complex structures, Malay Basin.
	AE 126	Source Rock Evaluation of Roseneath shale Gas formation of Cooper basin, Australia through wireline logs.
	AE 127	Petrophysical Evaluation of Kati Formation at Seri Iskandar Area, Perak, Malaysia
	AE 128	Accuracy Analysis of DEM Generated from Cokriging Interpolators
	AE 132	Facies Distribution and Petrophysical Properties of Shoreface-Offshore Transition Environment in Sandakan Formation, NE Sabah Basin
	AE 133	A Review on the research and practice of city sustainable development indicators and indices
	AE 134	Influence of Saturant on Seismoelectric Coupling Response of Porous Media
	AE 140	The Scenario of the Potential Analysis Alternative Energy in Order to Strengthening District's Energy Resilience (The Case Study in South Sumatera Province)
	AE 141	The Model of Gas Supply Capacity Simulation In Regional Energy Security Framework: Policy Studies PT. PGN (Persero) Area Cirebon
	AE 142	Megasite Management Tool (MMT) : A decision support system built using mapwindow activex control



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	AE 143	Tank Information System (TIS): A case study in migrating web mapping application from Flex to Dojo for ArcGIS Server and then to open source
	AE 144	Analysis of Environmentally Friendly Library Based on Satisfaction and Service Quality Analysis: Studies of Library "X"
	AE 145	CAPACITY ANALYSIS OF PARKING LOT AND VOLUME OF VEHICLE TOWARD SUSTAINABLE PARKING CONVENIENCE
17:00 - 18:00	Closing - Best Paper Award	
19:00 - 20:00	Dinner	



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Conference Venue

Bali



Bali is a favorite vacation destination for many nationalities. Bali's natural attractions include miles of sandy beaches, picturesque rice terraces, towering active volcanoes over 3,000 meters high, fast flowing rivers, deep ravines, pristine crater lakes, sacred caves, and lush tropical forests full of exotic wildlife. The island's rich cultural heritage is visible everywhere – in over 20,000 temples and palaces, in many colorful festivals and ceremonies, in drama, music, and dance. Bali is also well-known for its night life. Come to Bali enjoying the beautiful environment and fun here!

Conference Location and Venue



The Kuta Paradiso Hotel Bali, Kuta

All the fun is right at your door step at Kuta Paradiso Hotel



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Centrally located right in the heart of Bali's thriving hub of Kuta, lies the five-star Kuta Paradiso Hotel – the ideal home away from home for your Bali holiday.

With complimentary transportation to and from Ngurah Rai International Airport, Kuta Paradiso Hotel is also in 5 minutes walking distance from stunning Kuta Beach, the local arts market, restaurants, night clubs, shops and close to the excitement of the famous Waterbom Bali water park and Discovery Shopping Mall, Matahari and Kuta-Square shopping centers. We invite you to stay at the Kuta Paradiso Hotel, Bali.

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<http://www.kutaparadisohotel.com/contact-us/>

Online Room Booking

As the participant of ISTIE 2017 Conference, we are pleased to inform you that you now can book your room on special rate on KUTA PARADISO HOTEL – BALI, ISTIE 2017 conference venue.

Please contact us via email at istieconf@gmail.com to reserve your room in KUTA PARADISO HOTEL – BALI by mentioning that you are ISTIE 2017 participants.



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