

The 4th International Conferences on Computer  
Graphics, Visualization, Computer Vision, and Game  
Technology 2017  
**(VisioGame 2017)**



# Conference Program

**Fuction Room**

**Sheraton Bandung Hotel & Towers - Indonesia**



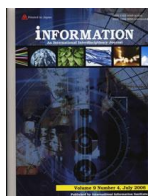
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Sheraton Bandung Hotel & Towers

Jalan Ir. H. Juanda No. 390, Bandung, West Java, 40135, Indonesia

Website : <http://www.sheratonbandung.com/>

26 – 27 August 2017.



## 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.

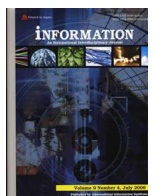


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## Keynote Speakers

# Medical Imaging Perspectives: Analysis and Computer-Aided Diagnosis

Prof. Dr. Rajasvaran Logeswaran, SMIEEE  
*Asia Pacific University of Technology and Innovation (APU),  
Technology Park Malaysia, Kuala Lumpur, Malaysia*

### Abstract:

Medical imaging is the most common method employed in the medical world for non- or minimally-invasive diagnosis. There is heavy reliance of medical imaging, and also a vast amount of work has been done to automate the preliminary processing and screening of the large volume of data generated through these techniques. This talk covers a sample of research work undertaken to develop computer-aided diagnosis systems for different diseases, with a view of the algorithms and results obtained. A range of techniques are employed at the various stages of the development, ranging from image preparation and pre-processing to detection, classification and final diagnosis. Additionally, work conducted to evaluate medical practitioners' visual diagnosis paradigms and confidence in the diagnosis of medical images is discussed. Evidence is presented that confidence levels can be increased through controlled lossy processing, despite initial blanket rejection of lossy techniques by the practitioners, as the processing can result in better diagnosis of the medical images.

### Biodata:



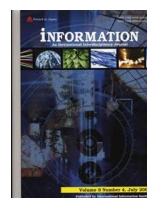
**Professor Dr. R. Logeswaran** is an academic with 20 years of lecturing experience in a number of institutions both locally and abroad. He studied his B.Eng (Hons) Computing at Imperial College London, United Kingdom, and completed his Master of Engineering Science (M.Eng.Sc.) as well as Ph.D. (Engineering) at Multimedia University, Malaysia. He is a Novell Certified Linux Professional, and also a certified IC Digital Citizen and trainer. His areas of interests are mainly in multimedia data processing, data compression, neural networks, natural user interfaces and big data / data science, with over 130 publications in books, peer-reviewed journals and international conference proceedings. He enjoys supervising student projects at various levels from undergraduate to Masters and PhD, ensuring that proper research methodology and good teaching & learning practices are gained.

Prof. Loges is a full Professor with the Faculty of Computing, Engineering and technology, as well as the Chairman of the Centre for Edutainment and Educational Technologies (CEET) and a core member of the Asia Pacific Centre for



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Analytics (APCA) at the Asia Pacific University of Technology and Innovation (APU), where he also served as the Dean of Graduate Studies. Prior to that, he was the Dean of Engineering, Science and Technology at Nilai University and before that, the Acting Dean of Engineering and Deputy Dean of Postgraduate Studies at Multimedia University, where he is now an Adjunct Professor. A recipient of several scholarships, including Telekom Malaysia, he was recognized as the JCS 75<sup>th</sup> Anniversary Scholar for his Masters achievements and later went on to do his post-doctoral research in Seoul, Korea under the Brain Gain Malaysia international fellowship & post-doctoral programme as well as a Brain Korea21 post-doctoral scholar. A Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), he is actively involved as the Vice Chair of the IEEE Signal Processing Society Malaysia chapter and is a reviewer of numerous journals and conferences. His efforts in the voluntary services over the past 19 years has also gained him a medal for long and commendable service from the Malaysian government. Prof. Loges has been a Keynote speaker, Guest of Honour and Invited Speaker to a number of international conferences.

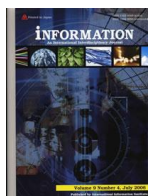


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## Program Schedule

Notes/Session ID

### Day 1: 26 August 2017

08:30 - 09:00	Registration - Fuction Room	
09:00 - 09:10	Opening & Welcoming Speech by General & Conference Chair	
09:10 - 09:20	Welcome Dance : Traditional Dance	
09:20- 10:30	Keynote Talk : Prof. Dr. Rajasvaran Logeswaran, SMIEEE- Medical Imaging Perspectives: Analysis and Computer-Aided Diagnosis	
10:30 - 10:45	<b>Photo Session &amp; Coffee Break</b>	
10:45 - 12:00	Sessions: <b>Science &amp; Nature : Session Chair :</b>	
Fuction Room	Graph 101	Interactive Game on The Cultural Heritage of Selarong Soldier Story for Culture Department of Yogyakarta
	Graph 103	Introducing Cultural Heritages of Yogyakarta through 10-in-1 Game
	Nature 105	Electrical treatment by potential different on ionic and geometry in palm tree component
	Nature 115	Brain Gym Development for Kindergarten Child
12:00 - 13:00	<b>Lunch Break - Feast Restaurant</b>	
13:00 - 16:00	Sessions: <b>BioMedPub : Session Chair :</b>	
Fuction Room	Bio 101	Stochastic Mathematical Models in Epidemiology: A Survey
	Bio 102	Can Gait Deviation Index (GDI) be an Early Indicator for Children with Autistic Spectrum Disorder (ASD)?
	Bio 103	Bioinformatics study of mutations of resistance to antivirals in the NS5A gen of HCV
	Bio 105	Comfortable Pillow Design Based on Individual Basis
	Bio 106	Analyses of Characteristics of the Changes in Cerebral Activation State Based on Sasang-constitution
	Bio 107	Expert system for biocoenosis diagnosis based on Bayesian data analysis and fuzzy production rule system
	Bio 109	Innovation Oriented Education Model as a Solution for Undergraduate Unemployment Prepared for Biomedical Engineering Study program



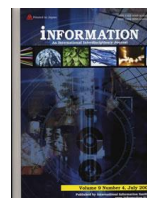
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	Bio 110	The Effect of Pesticide on the vector of Rice Tungro Disease:Insight from a mathematical model
	Cyber 101	Evaluation of a Medical Alert Communication Infrastructure Based on Fuzzy Logic and IoT Devices
	Cyber 102	The Causal Relationship between the Human Evaluation Model (HEM) and Self-regulation
	Cyber 105	An Unmanned Aerial Vehicle System for Detecting and Tracking Moving Objects
	Cyber 106	Setting objective in education and training process management with using the situational simulator (for professional training)
	Cyber 107	Proposal of an offline data-processing network model for flood analysis
	Cyber 108	Rubric Validation for the Review of Didactic Planning in Initial Teaching Training
	Cyber 109	The Administrative Process in the Implementation of the Medicine Curriculum in the Knowledge Society
	Cyber 110	COMPLEX THOUGHT AND QUALITY ACCREDITATION OF CURRICULUM IN ONLINE HIGHER EDUCATION
	Cyber 111	Content validity of a scale to assess the curriculum in the certification of university programs of study
	Cyber 112	d-level (n, n) Quantum Secret Sharing Protocol
16:00 - 16:30	<b>Closing - Best Paper Award</b>	
18:45 - 20:00	<b>Gala Dinner - Feast Restaurant</b>	

## Day 2: 27 August 2017

08:30 - 12:00	<b>Networking Time</b>
12:00 - 13:00	<b>Lunch - Feast Restaurant</b>
13:00 - 18:45	<b>Networking Time</b>
18:45 - 20:00	<b>Dinner - Feast Restaurant</b>

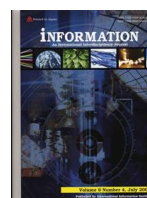


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## Sheraton Bandung Hotel & Towers – Tropical Sensation in Dynamic City of Bandung



Surrounded by mountain scenery yet only minutes from Bandung's central business district and other Bandung city center, Sheraton Bandung Hotel & Towers is a luxury hotel in Bandung with resort styled facilities that offers guests the perfect base while visiting Dago Valley.

This Bandung hotel is the best choice for business meeting as well as kids friendly hotel at the same time. Towers room and Suites are can be a perfect set up as your family room hotel in Bandung. Set among expansive landscaped gardens and cooling mountain breezes, Sheraton Bandung , a 5 star hotel in Bandung provides 156 hotel rooms & Suites, meeting facilities, free Wi-Fi in all area, fitness center, spa and the most popular dining venue in Dago, Feast.

Recently Sheraton Bandung received Certificate of Excellence 2016 from TripAdvisor. Sheraton Bandung is the best traveler choice for Bandung accommodation in the heart of Dago area. Find your ideal hotel room in Bandung by continues to stay connected with Sheraton Bandung social media accounts.

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#### Online Room Booking

As the participant of VisioGame 2017, we are pleased to inform you that you now can book your room on special rate on the Sheraton Bandung Hotel & Towers.

Please contact us via email at [confvisiogame@gmail.com](mailto:confvisiogame@gmail.com) to reserve your room in the Sheraton Bandung Hotel & Towers by mentioning that you are VisioGame 2017 participants.



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