

REGISTRATION

CONFERENCE

CATEGORY	FEE (EARLY BIRD)	FEE (AFTER 15 AUGUST 2017)
Local Participant	RM 1200.00	RM 1600.00
Overseas Participant	USD 650.00	USD 800.00
MITS, IEEE and ACM		
Local Participant	RM 1280.00	
Overseas Participant	USD 640.00	

WORKSHOP

CATEGORY	FEE
Local Participant	RM 800.00
Overseas Participant	USD 400.00
MITS, IEEE and ACM	
Local Participant	RM 640.00
Overseas Participant	USD 320.00

PAYMENT

AKAUN CIMB ISLAMIC UNIVERSITI KEBANGSAAN MALAYSIA (8002234307)

Company Name : Universiti Kebangsaan Malaysia
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5th INTERNATIONAL VISUAL INFORMATICS CONFERENCE

Visual Informatics: Changing Landscapes in 4IR through Data Driven Decisions

28-30th November 2017

Hotel Bangi-Putrajaya
Bangi, Selangor, Malaysia

Organised by:



Institute of Visual Informatics (IVI)
Universiti Kebangsaan Malaysia

Co-sponsored by:





INTRODUCTION

It is a pleasure to invite you to participate in the 5th **International Visual Informatics Conference 2017 (IVIC '17)** that will be held at **Hotel Bangi-Putrajaya, Bangi, Selangor Darul Ehsan, Malaysia** on 28th to 30th November 2017. The conference is organized by the Institute of Visual Informatics (IVI), Universiti Kebangsaan Malaysia in collaboration with several local and oversea universities. This year IVIC'17 brings latest state-of-the-art theme **“Visual Informatics: Changing Landscapes in 4IR through Data Driven Decisions”** to cater the current needs on visual informatics in various research areas and industries. IVIC'17 aims to provide an excellent opportunity to share and exchange technologies and applications in the field of visual informatics for professionals, engineers, academics, and industrial people worldwide. All accepted papers will be published in the Springer prestigious Lecture Notes in Computer Science - LNCS series.

OBJECTIVES

- To promote discussion and exchange of ideas and knowledge among researchers from various countries in the field of Visual Informatics.
- To facilitate the formation of networking among industries and also between academic institutions local and international.
- To gather and discuss working papers on multidisciplinary areas on Visual Informatics.
- To generate and diffuse new theories, applications and technologies in Visual Informatics.
- To serve as a platform for research collaboration among other institutions of higher learning in the field of Visual Informatics.

IMPORTANT DATES

25
JUNE

Full paper submission

23
JULY

Notification of Acceptance

06
AUG

Camera Ready

06
AUG

Early Bird Registration Deadline

28-30
NOV

Conference

AREAS

Area 1: Visualization and Data Driven Technologies

Data driven knowledge technology
Visual analytics
Visual Data mining
Knowledge Discovery
Knowledge visualisation
Information Visualisation
Human Perception and Cognition
Augmented Human Intelligence
Large Scale Data Set Visualisation
Expressive Mathematics
Cognitive computing
Social (Semantic) & Ubiquitous computing
Collaborative and Distributive Visualisation
Display and Interaction Technology
Evaluation and User Studies
Geographic Data Visualisation
Data Driven Human Factors
Industrial Manufacturing and Simulation
Visual Ontology
Scalar, Vector, and Tensor Visualisation
Visual Genetics Algorithm
Visual Knowledge Representations
Visual Software Engineering
Visual Surveillance
Visualisation Systems
Visualisation Taxonomies and Models
Big Data Visual Analytics (BDVA)
Data Driven Government
Data Driven Society
Public/Citizen Crowdsourcing
Medical Data Visualisation
Social Data Visualisation

Area 2: Data Driven Innovation and Technology

Augmented Reality & ubiquitous technologies
Cloud computing
Web based interactive technologies
Virtual transition technologies
Innovative Interaction Techniques
Geometry Optimization techniques
Biometrics (Face, Fingerprint, Head, Iris, etc.)
Visual Human-Computer Interfaces
Adaptive Visualization Innovation technologies
Illumination and Reflectance Modelling
Image and Video Retrieval
Image/Video Encoding/Compression
Image-based Modelling
Computer Vision & Image Processing
Geometric Computing
Data Science Computing
Geometric Modelling
Machine Vision
Motion and Tracking
Object Recognition/ Detection/ Categorisation
Pattern Recognition
Data Driven Real Time Simulation
Secure Image/Video Communication
Data driven Sensors and Systems
Data driven Statistical Methods and Machine Learning
Video In-painting
Web based Vision Graphics
Vision for Robotics
Volume Graphics, Semi- Transparent Media

Area 3: Data Driven Societal Well-being and Applications

Knowledge-Based Capital (KBC) & Applications
Smart grid technologies
Gamification for health therapy
Gamification for education/manufacturing/business
3D Reconstruction for learning/education/training
Data exploitation for Business intelligence
Data Driven Business Decisions
Computational Photography
Computer Animation for Edutainment/military/business
Creative Multimedia for film/education/business
Data Driven Graphics Algorithms
Image-based Computer Graphics
Mathematical Graphics, Modelling and Simulations
Multimedia-Fusion and Virtual Environments
Perceptual Aspects of Computer Graphics
Rendering Techniques
Shape and Surface Modelling
Simulation for Computer Graphics
Immersive and Serious Gaming
Special Effects for Film/Education/business
Touch Surfaces for education/business/military
Data Driven economy & applications
Data Driven Business policy
Data Driven Governance policy
Data Driven Education policy
Data Driven National Sovereignty & Security policy

Area 4: Data Driven Cyber Security

Science of Security (SoS)
Science of Cyber Security (SoCS)
Data Driven Science for Cyber Security
Data Driven Science for Detecting & Mitigating Attacks
Cyber Data Trustworthiness
Policy-based Sharing
Risk-based Techniques and Approach
Cyber security Metrics
Visualisation for Cyber Security
Virtual Environment for Cyber Security Simulation
New Data Gathering Techniques for Cyber Attacks
Situation-aware Intrusion Detection Systems
Automated Cyber Security Data Analytics
Semantic Ontologies for Cyber Security Data
Rule based Reasoning and Formal Logic for Cyber
Security Data Analytics
Analytics Techniques based on Uncertainty
Advanced Cyber Security tools
Cyber Security Data Modelling and Simulation
Cyber Security Multimodal Displays
Virtual Games on Theoretical Risk-assessment
Visual Cognition on Cyber Attacks
Cyber Space Conflicts
Forensic Analysis
Artificial and Natural Intelligence in Cyber Security
Secured Gateways
Behaviour Detection Intelligence
Logic models and Graph Grammars for Attack Detection