The Department of Computer Graphics and Multimedia (GMM), Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia in collaboration with School of Professional & Continuing Education (SPACE) are pleased to announce the International Conference on Interactive Digital Media (ICIDM 2012) to be held on 3 - 4 December 2012 at the Bayview Hotel, Langkawi, Malaysia. ICIDM is the first international conference to be fully organized by GMM. It was started by International workshop on interactive digital media 2008 held at J ohor Bahru.

Selected accepted full papers will be published in a special issue of Journal such as International Journal TELKOMNIKA indexed by Elsevier, Journal Teknologi UTM indexed by SCOPUS and Journal of Digital Media.

All Accepted paper will be included in ICIDM 2012 proceeding, printed out and distributed during the conference day.

ICIDM 2012 brings an opportunity to invite new innovative invention on Computer Graphics, Image Processing, and Human Computer Interaction and Web technology. We seek original research full papers and short papers covering topics including, but not limited to:

**Computer Graphics, Animation and Social Agent**
- Motion Control
- Motion Capture and Retargeting
- Real-time Planning
- Physics-based Animation
- Vision-based Techniques
- Behavioural Animation
- Social Agents and Avatars
- Emotion and Personality
- Virtual Agents
- Autonomous Actors
- Al-based Animation
- Social and Conversational Agents
- Inter-Agent Communication
- Social Behaviour
- Crowd Simulation
- Understanding Human Activity
- Memory and Long-term Interaction, etc.

**Image and Speech Processing**
- Image Acquisition and Display: imaging sensors and acquisition systems; sampling, scanning and quantization; colour reproduction; image rendering; display and printing systems; evaluation of image quality.
- Image and Video Analysis: low-level feature extraction – colour, texture and shape; high-level semantics; pattern recognition and classification; motion analysis and object tracking; object, event and scene recognition.
- Emerging Technologies in DSP: chaos theory and fractals; higher-order statistical techniques; multi-resolution and wavelet analysis; non-linear signal processing.
- Applied Signal Processing: signal processing for life sciences data; forensic signal analysis; radar and array processing; seismic signal processing; speech and music processing, smart grid applications.
- Image and Video Processing: image filtering; enhancement and restoration; image and video segmentation; image registration; stereoscopic and 3-D processing; video and image sequence processing; morphological processing.
- Storage and Retrieval: image, audio and video databases; multidimensional indexing; content-based retrieval; semantics retrieval; automatic image and video annotations.
- Signal Processing in Communications: broadband communications; coding theory; digital communications; information theory; software radio; wireless communications.

**Human Computer Interaction**
- Adaptive and personalized interfaces
- Analysis and design methods
- Architectures for interaction
- Computer-augmented environments
- Computer-based learning
- Ecological interfaces
- Emotions in HCI
- Evaluation methods and techniques
- Gesture and eye-gaze based interaction
- Graphical user interface
- Tangible user interfaces
- User support systems
- HCI standards
- Home and entertainment systems
- Intelligent and agent systems
- Interaction design
- Combination of software and hardware

**IMPORTANT DATES**

**Deadline for Submission**
1st June 2012

**Notification of Acceptance**
1st July 2012

**Camera Ready**
1st September 2012

**Registration**
1st September 2012

**Committee**

**Conference Chairs:**
Dr. Mohd Shahrizal Sunar
Universiti Teknologi Malaysia
Dr. Ahmad Hoirul Basori
Universiti Teknologi Malaysia

**Program Chairs:**
Dr. Mohd Shahrizal Sunar
Universiti Teknologi Malaysia
Dr. Ahmad Hoirul Basori
Universiti Teknologi Malaysia
Dr. Md Shahrizal Sunar
Universiti Teknologi Malaysia

**Publicity Chair:**
Dr. Farhan Mohamed

**International Program Committee:**
Prof. Dr. Ghazali Bin Sulong
Universiti Teknologi Malaysia, Malaysia
Prof. Dr. Dzulkifli Mohamad
Universiti Teknologi Malaysia, Malaysia
Prof. Dr. Daut Daman
Universiti Teknologi Malaysia, Malaysia
King Abdulaziz University, Saudi Arabia
Prof. Dr. Ryanarto Sarito
Institut Teknologi Sepuluh Nopember, Indonesia

**Prof. Dr. Zhigeng Pan**
Professor, State Key Lab of CAD&CG, Zhejiang University, Hangzhou, China

**Dr. Mohd Shahrizal Sunar**
Head of Computer Graphics and Multimedia Department, Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia

**Keynote Speaker**

**ORGANISED BY:**

Graphics & Multimedia Department, Faculty of Computer Science and Information System (FSKSM)
School of Professional and Continuing Education (UTMSPACE)
UNIVERSITI TEKNOLOGI MALAYSIA
DISCLAIMER
The Organiser reserves the right to make any amendments and/or to cancel the event if warranted by circumstances beyond its control. Terms and conditions apply.

CANCELLATION POLICY
Cancellation of participation should be made 30 days prior to the conference to be eligible for a refund (less 15%). Please note that the speakers and topics are confirmed at the time of printing. However, circumstances beyond the control of the organisers may necessitate substitutions or cancellations of speakers and/or topics. As such Universiti Teknologi Malaysia reserves the rights to substitute or cancel the advertised speakers and/or topics.

PAPER SUBMISSION FORMAT
All submissions should be formatted as single-spaced, double column A4 paper size, according to the following templates available for download: LaTeX template [LaTeX template], or MS Word template [MS Word template]. Full paper submissions are limited to 101 pages in length, including references, tables and figures. If the paper is accepted as short paper it should have maximum 4 pages.

Papers should be submitted in the PDF file format through EasyChair or icidm2012@gmail.com. Supplementary materials (e.g., videos) should be compressed in the ZIP file format and email to icidm2012@gmail.com, with the authors’ information and paper id.

REGISTRATION FEES

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<thead>
<tr>
<th></th>
<th>Local (RM)</th>
<th>International (RM)</th>
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</thead>
<tbody>
<tr>
<td>Early bird</td>
<td>790.00</td>
<td>1190.00</td>
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<tr>
<td>Normal</td>
<td>890.00</td>
<td>1360.00</td>
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(Registration fees for the conference include conference materials, lunch, refreshment and certificate of attendance)

REGISTRATION FORM

To confirm your registration, please complete this form

Name: ____________________________
NRIC / Passport No.: ________________
Title: ____________________________
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Address: __________________________
Tel: ______________________________
Fax: ______________________________
E-mail: __________________________

Please tick (/) in the appropriate box/es below

☐ I will attend as participant ☐ I will present paper

Title of Paper: ____________________, Co-authors: ____________________
Signature: ________________________
Date: ____________________________

Food Preference

☐ Vegetarian ☐ Non-vegetarian

MODE OF PAYMENT

A. Cheque or Bank Draft
Cheque No. / Bank Draft No.: ____________________________
Bank / Branch: ____________________________

All crossed cheque/bank draft should be made payable to
Account Name: UTMSPACE
Account Number: 0116-0000426-10-7
Bank Name: CIMB Bank Berhad
Branch: UTM Skudai, Johor

B. Local Order (LO/PO)
Reference Number: ____________________________

For any queries, please contact:
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