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Scientific program

Global Summit and Expo on

MULTIMEDIA & APPLICATIONS

August 10-11, 2015 Birmingham, UK



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Scientific Program

Day 1 August 10, 2015

08:30-09:30 Registrations

Salis-Well

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09:30-10:00 Opening Ceremony

Keynote Forum

10:00-10:05 Introduction

10:05-10:35 Vijayan K Asari
University of Dayton, USA

10:35-11:05 Robert S Laramee
Swansea University, UK

Coffee Break 11:05-11:25 @Salis-Well

Group Photo

Track 1: Multimedia Systems and Applications
Track 4: Multimedia Signal Processing
Track 5: Content Analysis and Processing
Track 7: Multimedia Communications

Session Chair: Robert S Laramee, Swansea University, UK
Session Co-Chair: Imed Romdhani, Edinburgh Napier University, UK

Session Introduction

11:25-11:50 Wide area surveillance: Situational awareness for security automation
Vijayan K Asari, University of Dayton, USA

11:50-12:15 Knowledge-Assisted Ranking: A visual analytic application for multimedia sport event data
Robert S Laramee, Swansea University, UK

12:15-12:40 Copyright requirements in the 3D printing industry
Jongweon Kim, Sangmyung University, Korea

Lunch Break 12:40-13:30 @Salis-Well

13:30-13:55 Multimedia information system security
Wasan Mehdi, University of Bedfordshire, UK

13:55-14:20 IP multicast communication in the Internet of things
Imed Romdhani, Edinburgh Napier University, UK

14:20-14:45 The impact of Mobile Learning Game Engine (MLGE) in education
Wong Seng Yue, Taylor's University LakeSide Campus, Malaysia

14:45-15:10 Computational audio analysis for music and health informatics
Shyamala Doraisamy, University Putra Malaysia, Malaysia

Coffee Break 15:10-15:30 @Salis-Well

15:30-15:55 Research challenges for immersive video communication ecosystems over future internet
Tasos Dagiuklas, Hellenic Open University, Greece

15:55-16:20 Emerging technologies for multimedia networks
Tsang-Ling Sheu, National Sun Yat-sen University,Taiwan

16:20-16:45 Massive multimedia crowd sourced environment for big data capturing, processing, storing and visualization
Mohamed Abdur Rahman, Umm Al-Qura University, KSA

16:45-17:10 Performance evaluation of hybrid Wi-MAX WI-FI video surveillance systems
Smart C Lubobya, University of Cape Town, South Africa

Panel Discussion

Day 2 August 11, 2015

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Keynote Forum

10:00-10:05 **Introduction**

10:05-10:35 **Jongweon Kim**
Sangmyung University, Korea

10:35-11:05 **Tsang-Ling Sheu**
National Sun Yat-sen University, Taiwan

Coffee Break 11:05-11:25 @Salis-Well

Track 2: Multimedia Search and Retrieval
Track 4: Multimedia Systems and Applications
Track 6: Music, Speech and Audio Processing in Multimedia
Track 9: Multimedia Networking
Track 10: Advances in Multimedia Technology

Session Chair: Mohamed Abdur Rahman, Umm Al-Qura University, KSA
Session Co-Chair: Alex Lopes Pereira, Technological Institute of Aeronautics, Brazil

Session Introduction

11:25-11:50 **Audio content analysis in the presence of overlapped classes: A non-exclusive segmentation approach to mitigate information losses**
Duraid Y. Mohammed, University of Salford, UK

11:50-12:15 **Transforming the adoption of product-service systems through innovations in applied gaming technologies**
Panagiotis Petridis, Aston University, UK

12:15-12:40 **An ARQ retransmission scheme for real-time video multicasting over mobile communication networks**
Tsang-Ling Sheu, National Sun Yat-sen University, Taiwan

Lunch Break 12:40-13:30 @Salis-Well

13:30-13:55 **An opportunistic cooperative MAC protocol for cognitive vehicular networks**
Zi-Tsan Chou, National Sun Yat-sen University, Taiwan

13:55-14:20 **Multimedia big data environment for e-therapy**
Mohamed Abdur Rahman, Umm Al-Qura University, Kingdom of Saudi Arabia

14:20-14:45 **Patch-based local histograms and contour estimation for static foreground classification**
Alex Lopes Pereira, Technological Institute of Aeronautics, Brazil

14:45-15:10 **Inhomogeneous wireless network load distribution**
Kuang-Hui Chi, National Yunlin University of Science and Technology, Taiwan

15:10-15:30 **QKD communication protocol for authentication mechanism of cloud network**
Zuriati Ahmad Zukarnain, University Putra Malaysia, Malaysia

15:30-16:00 **Multimedia communication: Its implications on general education**
Ogunlade Benjamin Ande, Ladoke Akintola University of Technology, Nigeria

16:00-16:30 **Coffee Break & Poster presentations**

Award Ceremony