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4th Global Summit and Expo on

Multimedia & Artificial Intelligence

July 19-21, 2018
Rome, Italy



SCIENTIFIC PROGRAM

DAY 1
Thursday, 19th July

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50
Meeting Hall 01 **KEYNOTE LECTURES**

11:50-13:10

MEETING HALL 01	MEETING HALL 02
Talks On: Imaging and Image Processing	**Talks On:** Multimedia Cloud and Big Data
Still-image coding, Stereoscopic and 3-D coding	Deep learning and cloud computing for multimedia big data
Distributed source coding, Source/Channel coding	Green computing for multimedia big data
Image filetering	Security and privacy in multimedia big data
Image restoration and enhancement	Interaction, access, visualization of multimedia big data
Image segmentation	Multimedia big data systems

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00

MEETING HALL 01	MEETING HALL 02
Talks On: Multimedia IoT	**Talks On:** Multimedia Systems & Services, Applications
Multimedia Netowrking	Smart-Home Multimedia Services
Media quality and bandwidth for content delivery	Multimedia Communication Services
Multimedia traffic security architecture for the Internet of Things	Intelligent e-Learning Multimedia
IoT system architecture	Mobile Technologies and Intelligent Services
IoT communication	video on-demand
IoT enabling technologies	Multimedia security systems

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers in Multimedia & AI	Workshop

DAY 2
Friday, 20th July

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50	MEETING HALL 01	MEETING HALL 02
	Talks On: Computer Graphics & Animation,Game design & Development	**Talks On:** Proteomics and Molecular Medicine
	Artistic Rendering	Virtual Reality Technology and Software Systems
	Visual Simulation	VR and Robotics
	Implicit Curves & Surfaces	Augmented & Mixed Reality
	Image Warping & Morphing	Neural Networks
	Image-Based Rendering	pattern recognition
	Games programming and technology	Action Recognition

12:50-13:35 LUNCH BREAK

13:35-15:55	MEETING HALL 01	MEETING HALL 02
	Talks On: Artificial Intelligence & Machine Learning	**Talks On:** Precision Medicine and Immuno-Oncology
	Swarm Intelligence	word embedding
	Fuzzy Logic	language modeling
	Natural language processing	part-of-speech tagging
	Machine learning	name entity detection
	Knowledge representation	parsing
	Intelligent robotics	
	Genetic Algorithms	

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Poster Presentations	Workshop

DAY 3
Saturday, 21st July

09:00-10:30 Meeting Hall 01 — **KEYNOTE LECTURES**

10:30-10:50 COFFEE BREAK

10:50-12:50

MEETING HALL 01	MEETING HALL 02
Talks On: Artificial Intelligence for Business	**Talks On:** Proteomics in Computational Systems Biology
Automated reasoning and inference	Data Visualization
High-level computer vision	Visual analytics
Constraint processing	Scientific visualization
Cognitive aspects of AI	Neural Networks
Planning and theories of action	Visual communication

12:50-13:35 LUNCH BREAK

13:35-15:55

MEETING HALL 01	MEETING HALL 02
Talks On: Artificial Intelligence & Multimedia Technologies Industry	**Talks On:** Artificial Intelligence & Multimedia Technologies in Healthcar
Multimedia processors for personal computer's	Multimedia indexing and search for healthcare
Motion design & Software development	isual analytics of skin diseases and interactive computation
Multimedia & AI technologies for games, movies, music and product / licensing	Multimedia sensing data in healthcare
Clinical & structural biochemistry	Mobile and augmented reality technology in healthcare
Molecular & analytical biochemistry	Pharmaceutical and medicinal research

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)	MEETING HALL 01 (17:00-18:00)
Young Researchers in Multimedia & AI	Workshop

Awards & Closing Ceremony

Organizing Committee Members



Vijayan K Asari

Professor

University of Dayton, USA



Francesco Zirilli

Professor

Sapienza University of Rome, Italy



Danko Nikolic

Senior Data Scientist

Teradata, Germany



Khoa Luu

Editor-in-Chief (International Journal of Cognitive Biometrics)

Carnegie Mellon University

USA



Chung-Sheng Li

Global Research Managing Director Accenture, USA

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4th Global Summit and Expo on Multimedia & Artificial Intelligence

JULY 19-21, 2018 ROME, ITALY

AGENDA

Vijayan K Asari

Professor

University of Dayton

Vijayan Asari is a Professor in Electrical and Computer Engineering and Ohio Research Scholars Endowed Chair in Wide Area Surveillance at the University of Dayton, Dayton, Ohio, USA. He is the director of the Center of Excellence for Computer Vision and Wide Area Surveillance Research (Vision Lab) at UD. As leaders in innovation and algorithm development, UD Vision Lab specializes in object detection, recognition and tracking in wide area surveillance imagery captured by visible, infrared, thermal, hyperspectral, LiDAR (Light Detection and Ranging) and EEG (electroencephalograph) sensors. Asari's research activities include development of novel algorithms for human identification by face recognition, human action and activity recognition, brain signal analysis for emotion recognition and brain machine interface, 3D scene creation from 2D video streams, 3D scene change detection, and automatic visibility improvement of images captured in various weather conditions.Asari received his BS in electronics and communication engineering from the University of Kerala, India, and M Tech and PhD degrees in Electrical Engineering from the Indian Institute of Technology, Madras.

Francesco Zirilli

Professor

Sapienza University of Rome Italy

Francesco Zirilli born in Genoa in 1949 graduated from Sapienza Università di Roma in 1971.He has been a professor in Università di Camerino, Università di Catania, Università di Salerno.He his currently professor in Sapienza Università di Roma.He has been visiting professor in the USA several times ,principal investigator in research grants funded by national and international agencies,editorial board member or editor in chief of several scientific journals.The research interest of Francesco Zirilli are applied and numerical mathematics and their applications in science and engineering.He is author or coauthor of about 160 scientific publications in refereed journals and books.

Title: Why the intelligence of AI cannot explode?

Danko Nikolić

Teradata GmbH, FIAS, University of Zagreb

Danko Nikolić is a Senior Data Scientist at Teradata. Before working in consulting, he worked for over a 15 years as a brain scientist having headed a lab for brain and mind research at the Max Planck Institute, and using advanced analytics and machine learning to investigate how the brain works. In his work, he often needed to invent new statistical methods and was one of the pioneers in "mind reading" by applying machine learning to brain signals. He has a keen interest in using the insights into brain function to improve artificial intelligence (AI) technology and apply it to business problems, the topic about which he happily blogs, writes academic papers and talks at conferences.

Title: Beyond PCA: Deep Learning Approaches for Object Modeling and Longitudinal Changing

Khoa Luu,
Research Project Director
Carnegie Mellon University

Khoa Luu is the Research Project Director in Cylab Biometrics Center at Carnegie Mellon University. He is the editor-in-chief of International Journal of Cognitive Biometrics. His research is in biometrics and computer vision systems. He has published 60+ papers in top-tier conferences and journals and received two best paper awards in IEEE International Conference on Biometrics: Theory, Applications and Systems in 2011 and 2012.

Title: Distributed Artificial Intelligence in Robotics

Alfonso Iniguez,
Swarm Technology, USA

Alfonso Iniguez is the founder of Swarm Technology, which is a company that focuses on intent-base computing and swarm robotics. He has published research papers in the areas of distributed artificial intelligence, computer modelling and design verification. Alfonso has worked in diverse engineering positions within: Motorola, Freescale, Integrated Device Technology, and Microchip Technology. He holds a MS degree in Electrical Engineering from the University of Arizona, and a BS degree in Computer Engineering from the Universidad Autónoma de Guadalajara, Mexico.

Title Face expression recognition in constrained and unconstrained

Hector PerezMeana
National Polytechnic Institute, Mexico

Hector Perez-Meana received his Ph. D. degree in Electrical Engineering from the Tokyo Institute of Technology, Tokyo, Japan, in 1989. He is the Dean of the Graduate Studies and Research Section of The Mechanical and Electrical Engineering School, Culhuacan Campus, of the National Polytechnic Institute of Mexico. In 1991 he received the IEICE excellent Paper Award, and in 2000 the IPN Research Award and the IPN Research Diploma. In 1998 he was Chair of the ISITA'98, and in 2009 the General Chair of The IEEE Midwest Symposium on Circuit and Systems (MWSCAS). Prof. Perez-Meana has published more than 150 papers in indexed journals and two books. He also has directed 20 PhD theses. He is a Senior member of the IEEE, member of The IEICE, The Mexican Researcher System and The Mexican Academy of Science. His principal research interests are adaptive systems, image processing, pattern recognition, watermarking and related fields.

Title: SensFloor®: Human movement tracking and more

Christl Lauterbach
Future-Shape GmbH, Germany

Christl Lauterbach founded the Future-Shape GmbH, Germany in 2005 and is Managing Director since then. Main product of Future-Shape is SensFloor, a large-area sensor floor. From 1999 until 2005 she was at Infineon Technologies AG, Corporate Research, Senior Staff Engineer for Emerging Technologies, and Project Manager for Smart Textiles. Before that, she worked 22 years at Siemens AG, Corporate Research and Technology, as a developer for Semiconductor Technology and Circuit Design. Education: Assistance Degree in Electrical/Communication Engineering. She has more than 200 patents and patent pending, and >100 scientific publications.

Title: Trends and challenges in virtual reality technology

Daphne Economou
Westminster University,UK

Daphne Economou is a Senior Lecturer at the Department of Computer Science, Faculty of Science and Technology at the University of Westminster since January 2006. She has a PhD in Virtual Reality Systems Design from the Manchester Metropolitan University, a MA in Design for Interactive Media (Multimedia) from Middlesex University and she is a Senior Fellow of Higher Education Academy. Economou hase published a long list of journal papers, peer-reviewed international conference papers and she served as program committee member in several international conferences. She has industrial experience as Human Factors Engineer at Sony Broadcast and Development Research Labs, Basingstoke UK and she is member of British Computer Society, IEEE and British Interactive Media Association (BIMA). Economou has been involved in the programme committee of several international conferences and she has organised and chaired workshops in IEEE international conferences related to serious games.

Title: Real-time highly accurate face alignment using a three-stage convolutional neural regression networks

Daijin Kim
POSTECH, Republic of Korea

Daijin Kim received the B.S. degree in electronic and engineering from Yonsei University, Seoul, South Korea, in 1981, and the M.S. degree in electrical engineering from the Korea Advanced Institute of Science and Technology (KAIST), Taejon, 1984. In 1991, he received the Ph.D degree in electrical and computer engineering from Syracuse University, Syracuse, NY. During 1992-1999, he was an Associate Professor in the Department of Computer Engineering at DongA University, Pusan, Korea. He is currently a Professor in the Department of Computer Science and Engineering at POSTECH, Pohang, Korea. His research interests include face and human analysis, machine intelligence and advanced driver assistance systems.

Title: Multimodal Image Popularity Prediction on Social Media

Kai-Lung Hua,
National Taiwan University of Science and Technology, Taiwan

Kai-Lung Hua received the B.S. degree in electrical engineering from National Tsing Hua University in 2000, and the M.S. degree in communication engineering from National Chiao Tung University in 2002, both in Hsinchu, Taiwan. He received the Ph.D. degree from the School of Electrical and Computer Engineering, Purdue University, West Lafayette, IN, in 2010. Since 2010, Dr. Hua has been with National Taiwan University of Science and Technology, where he is currently an associate professor in the Department of Computer Science and Information Engineering. He is a member of Eta Kappa Nu and Phi Tau Phi, as well as a recipient of MediaTek Doctoral Fellowship. His current research interests include digital image and video processing, computer vision, and multimedia networking. He has received several research awards, including Top 10% Paper Award of 2015 IEEE International Workshop on Multimedia Signal Processing, the Second Award of the 2014 ACM Multimedia Grand Challenge, the Best Paper Award of the 2013 IEEE International Symposium on Consumer Electronics, and the Best Poster Paper Award of the 2012 International Conference on 3D Systems and Applications.

Title: A biologically inspired spatio-chromatic feature for color object recognition

Tian Tian,
China University of Geosciences

Tian Tian received her B.S. and Ph.D. from Huazhong University of Science and Technology (HUST), China, and visited Oakland University as a visiting scholar in 2012. She is currently with School of Computer Science, China University of Geoscience, Wuhan, China. Her major interests include computer vision and remote sensing image processing, and she has worked on feature extraction and image classification methods since the research of postgraduate period. Local image descriptors, biologically inspired image processing, deep learning methods on remote sensing image classification are what she mainly focuses on at present.

Title: Evaluation of Mobile GSM Performance under Different Atmospheric Propagation Models

Qaysar S.Mahdi
Ishik University

Qaysar S.Mahdi has completed his PhD at the age of 40 years from Engineering Military College and postdoctoral studies from Engineering Military College. He is the director of IT Services & Website Department; Ishik University He has published more than 15 papers in reputed journals and has been serving as an editorial board member of repute.

Title: Preliminary study on the development of biometric authentication algorithm using electrocardiogram data

Jaehyun Park
Incheon National University (INU), Republic of Korea

Jaehyun Park is an Assistant Professor in the Department of Industrial and Management Engineering at Incheon National University (INU). He received B.S degree and Ph.D degree in Industrial and Management Engineering from POSTECH (Pohang University of Science and Technology). His research interests are semantic network analysis, machine/deep learning on physical behavior and computational cognitive engineering.

Title: Bodhisattva head images modeling style recognition of Dazu Rock Carvings based on deep convolutional network

Haiyan Wang
Sichuan Fine Arts Institute

Haiyan Wang has her expertise in passion in improving the digital conservation and dissemination of the Dazu Rock Carvings utilizing computer science technologies. Her interdisciplinary studies based on computer deep learning and image inpainting create new pathways for improving the cultural heritage's protection and Buddhist rock carvings' art research. Conversely, her interdisciplinary studies also extend the application scope of computer techniques.

Title: Advanced Time Series Prediction Methods

Cagcag Yolcu Ozge,
Giresun University

Ozge Cagcag Yolcu is a professor at Department of Industrial Engineering of Giresun University, Turkey. She received the M.Sc. (M.Sc. thesis title: Optimization of patient waiting time in the department of brain surgery of Ondokuz Mayis University by simulation) and the Ph.D. (Phd. thesis title: A new hybrid fuzzy time series approach) degrees in statistics at the Faculty of Science and Arts of the University of Ondokuz Mayis, Turkey, in 2010 and 2013, respectively. She was situated in the Robotics Research Group, Department of Informatics at King's College London for a year in 2015 for postdoctoral research. Ozge Cagcag Yolcu has her expertise in time series analysis, fuzzy inference systems, artificial neural networks, artificial intelligence optimization algorithms, and robust statistics. She has various studies on time series prediction models including fuzzy inference systems and computational systems.

Title: Region-based image retrieval in the compressed domain using shape-adaptive DCT/DWT

Kamel Belloulata UDL,

Kamel Belloulata received the D.E.A. and Ph.D. degrees in signal, image, and speech processing from the Institut National des Sciences Appliquées (INSA) de Lyon, France, in 1994 and 1998, respectively. From September 1998 toaugust 1999, he was a Postdoctoral Fellow at INRS-Telecommunications, Montréal, Qc, Canada. Then, he has been an Assistant Professor with the Department of Electrical Engineering of University of Moncton, NB, Canada, until august2002.

Since September 2002, he has been an Associate Professor with the Electrical and Computer Engineering Departmentof University of Sherbrooke, Qc, Canada. Currently he is a full professor at the University of Sidi Bel Abbès, Algeria. His current research interests are in the areas of image and video compression, pattern recognition and semantic segmentation.

Title: Artificial Intelligence for Cloud Computing Data center

Fabio Lopez-Pires,
Itaipu Technological Park,
Paraguay

Fabio López-Pires received a degree in Informatics Engineering, a M.Sc. in Networks and Data Communications and Ph.D. in Computer Science from National University of Asunción in Paraguay. With more than 10 years of professional experience in datacenter industries and more than 40 scientific publications in high impact journals and international conferences in different countries of America, Europe and Asia, he currently works as Head of Distributed Systems and Parallel Computing Group at the Itaipu Technological Park. Despite his short career as a researcher, he already received important national and international recognitions. His research interests focused on Distributed Systems, Big Data Analytics, Algorithms and Optimization, Artificial Intelligence and Operations Research.

Title: Computer Vision for Night-time Imagery

Anwaar Ulhaq,
Victoria University,
Melbourne, Australia

Anwaar Ulhaq is working as an academic and research in the field of artificial intelligence with the College of Engineering & Science, Victoria University, and Melbourne, Australia. He hold PhD in computer vision from Monash University, Australia. His research interests and expertise include multi-sensor image processing, image and video fusion and activity recognition. He has contributed more than 20 publications in the field of night-time image processing and has been involved in the delivery of different funded research projects in this domain. He is an active researcher, reviewer of top computer vision journals and program committee member of image processing and computer vision conferences.

Title: The impact of International Data Protection laws on Artificial Intelligence (AI) and Deep Learning

Clare Sullivan
Georgetown University,
Washington DC

Clare Sullivan is a cyberlaw lawyer specializing in digital identity, privacy, and cyber security. She is a Professor at the Law Center and a Fellow at the Center on National Security and the Law at Georgetown University. Professor Sullivan is the author of internationally published articles on digital identity, privacy, and cyber security. She authored the first report on international trade-based money laundering, and 'Digital Identity,' the first international legal study of the legal implications of digital identity for individuals, businesses and government. Professor Sullivan is currently undertaking research for the U.S. Department of Defense and a number of projects for the private sector including a project examining the legal implications of business-to-business sharing of cyber-threat information internationally, a project considering the international privacy and data protection implications of the IoT era; and the impact of international data protection regulation and privacy law on AI and deep learning.

Title: The Geographic Information Systems in the era of Big Data. The Impact on Society.

Marco Antonio López
Master of Engineering,
Institute of Geography
México

Engineer in Communications and Electronics from the National Autonomous University of Mexico UNAM, with a Master's Degree in Information Systems. It has Certification: DBA by ORACLE, System Manager by Silicon Graphics and Microsoft Systems Engineer. Developer for more than 15 years of Geographic Information Systems. Professor of undergraduate, postgraduate and diploma in Geomatics of the UNAM. The research lines it mainly supports are: Geographic Information Systems, Spatial Data Infrastructure, Spatial Databases Systems and Geotechnology. It also has international publications on Big Data and GIS.

Title: The need of a viable SLA management framework for forming a reliable relationship between the cloud provider and cloud consumer: A service provider perspective

Walayat Hussain
University of Technology
Sydney Australia

Walayat Hussain is a lecture at University of Technology Sydney Australia. He completed his PhD from University of Technology Sydney Australia. Before joining UTS he worked as a Lecturer and as an Assistant Professor at University of Balochistan and BUITEMS University Pakistan. His research area includes distributed system, cloud computing, decision support and its application for an enterprise.

Title: CyVOD: A Novel Trinity Multimedia Social Network Scheme

Zhiyong Zhang,
Henan University of Science and Technology, China

Z. Zhang, born in October 1975, earned his Master, Ph.D. degrees in Computer Science from Dalian University of Technology and Xidian University, P. R. China, respectively. He was ever post-doctoral fellowship at School of Management, Xi'an Jiaotong University, China. Nowadays, he is a full-time Henan Province Distinguished Professor and Dean with Department of Computer Science, College of Information Engineering, Henan University of Science & Technology. He is also a Visiting Professor of Computer Science Department of Iowa State University. Prof. Zhang and research interests include multimedia social networks, digital rights management, trusted computing and usage control. Recent years, he has published over 80 scientific papers and edited 4 books in the above research fields, and also holds 8 authorized patents.

Title: Deep Learning Approach for Very Similar Objects Recognition Application on Chihuahua and Muffin Problem

Enkhtogtokh Togootogtokh
Mongolian University of Science and Technology

Enkhtogtokh Togootogtokh is Professor and Artificial Intelligence Researcher at the Department of Computer Science, Mongolian University of Science and Technology (MUST), Mongolia. He acquired his Masters and Bachelors respectively from National University of Mongolia, Mathematics and Computer Science School, Mongolia. He gained his Ph.D degree from National Central University, Taiwan. His research interests are in AI, deep learning, machine learning, image processing and computer vision, HCI.

Title: Semi-tensor Product Compressive Sensing and Its Application in Image Processing

Haipeng Peng
Beijing University of Posts and Telecommunications, Beijing, China

Haipeng Peng received the M.S. degree in system engineering from Shenyang University of Technology, Shenyang, China, in 2006, and the Ph.D. degree in signal and information processing from Beijing University of Posts and Telecommunications, Beijing, China, in 2010. He is currently a professor at the School of CyberSpace Security, Beijing University of Posts and Telecommunications, China. His research interests include information security, network security, complex networks and control of dynamical systems. Dr. H. Peng is the co-author of over 100 scientific papers. His SCI citations of other scholars are over 1400 times, and his google citations are over 2700 times.

Title: Foraging Behavior of Ants and Its Application in Optimization Field

Lixiang Li,
Beijing University of Posts and Telecommunications, Beijing, China

Lixiang Li is currently a professor at the School of CyberSpace Security, Beijing University of Posts and Telecommunications, China. She received the Ph.D. degree in signal and information processing from Beijing University of Posts and Telecommunications, Beijing, China, in 2006. Her interests include compressive sensing, swarm intelligence, neural networks and complex networks. She is the co-author of more than 150 papers. Her SCI citations of other scholars are over 2000 times, and her google citations are over 3400 times. In 2014, her result of swarm intelligence published in PNAS has been widely reported by more than 200 domestic and foreign media (such as Time Magazine, Science Daily, the Christian Science Monitor, the Daily Mail, Science and Technology Daily and etc.). In 2015, her result of memory resistance neural network published in EPJB was assessed as highlight paper and was reported by at least 28 international media.

Title: The Research of Human Activity Recognition with RGBD Videos

Hanling Zhang
College of Computer Science and Electronic Engineering, Hunan University, China

Hanling Zhang received the M.s. degree in Applied Mathematics from University of Central South, Changsha,China,in 2000, and the Ph.D. degree in Signal and Information Process from University of Northwestern Polytechnic, Xi'an ,China,in 2003. He is an Professor in Hunan University, Changsha, China. He made an academic visit to western university, Canada, form 2007 to 2008. He Preside over several projects such as the Natural Science Foundation of China, Changzhou talent plan of Jiangsu and National forestry public service projects. His research interests include image and video signal processing, computer vision, big data computing. He has published over 60 journal articles and conference papers.

Title: Detection of Uneven Road Surfaces on Internet of Vehicles

Hanmin Jung,
KISTI, Korea

Hanmin Jung works as the head of Scientific Data Research Center and chief researcher at Korea Institute of Science and Technology Information, Korea since 2004. He received his B.S., M.S., and Ph.D. degrees in Computer Science and Engineering from Pohang University of Science and Technology, Korea in 1992, 1994, and 2003. Previously, he was senior researcher at Electronics and Telecommunications Research Institute, Korea, and worked as CTO at DiQuest Inc, Korea. Now, he is also full professor at University of Science & Technology, Korea, visiting professor at National Human Resources Development Institute, Korea, visiting fellow at University of Southampton, UK, guest professor at Graz University, Austria, guest professor at Paderborn University, Germany, editor at Korea Contents Association, director at Korean Society for Internet Information, director at Korean Society for Big Data Service, director at The Korean Society Of Computer And Information, and committee member of ISO/IEC JTC1/SC32. His current research interests include the fourth industrial revolution, semantic web, artificial intelligence, text mining, big data, information retrieval, human-computer interaction .

Title: Recent advances in encryption techniques for digital images

Rafik Hamza
University of Batna

Rafik Hamza received his B.S. and M.S. degrees from the faculty of Mathematics and Computer Science at the University of Batna 2, in 2011 and 2014. He earned his Ph.D. degree in cryptography and security in December 2017. His interests include in lightweight cryptography applications, image and video processing, medical image analysis, Chaos Theory, and probabilistic techniques. He has also served as reviewer for prominent international journals in multimedia applications such as IEEE access and Springer Multimedia Tools and Applications.

Title: Improving performance of robust and efficient E-Leaning platform using distributed computing technologies for Higher Learning Institutions

Hamdi Hassen,
computer science departement, taibah university, KSA

Hassen Hamdi received in 2016, 2008 his thesis and Masters Degree in Computer Science from the University of Sfax, Tunisia. He is currently Lecturer of Computer Science at the Faculty of Computing and Information Technology at Taibah University, Saudi Arabia and doing his PhD research at the Multimedia, InfoRmation Systems and Advanced Computing Laboratory University of Sfax, Tunisia. His research interests include Arabic OCR, distributed systems, performance analysis, and networks security.

Title: A Bag of Expression Framework for Improved Human Action Recognition

Muhammad Haroon Yousaf, UET Taxila,

Muhammad Haroon Yousaf is working as an Associate Professor in Computer Engineering Department at University of Engineering and Technology Taxila, Pakistan. He completed his PhD Computer Engineering in 2012. His research interests includes Image Processing and Computer Vision. He has authored more than 40 papers in conferences and journals. Currently, he is investigating techniques for human action recognition, objection recognition and intelligent surveillance systems. He is one the youngest recipient of BEST University Teacher Award by Higher Education Commission of Pakistan for year 2012-2013. He is also working as editor, reviewer and program committee member for various journals and conferences

Title: Pattern Recognition for Challenging Multimedia Applications

Marina Paolanti,
Università Politecnica delle Marche, Ancona, Italy

Marina Paolanti joined the Department of Information Engineering (DII) at the Università Politecnica delle Marche, as a Ph.D. student in computer science in 2014. Her research focuses on pattern recognition and machine learning. She is author scientific research papers in book chapters, journals or conference proceedings in English and Member of GIRPR - Gruppo Italiano Ricercatori in Pattern Recognition.Since December 2017 she is Post-Doctoral Researcher at the Department of Information Engineering (DII) at the Università Politecnica delle Marche.

Title: What is the relation between Artificial Intelligence and Pattern Recognition under the Internet of things?

Yibin Hou
Beijing University of Technology, Beijing, China

Yibin Hou graduated from xi' an Jiaotong university computer science department, with a master's degree in engineering, graduated from the Netherlands EINDHOVEN university of technology department, received a doctor's degree from the department of engineering. From 2002 to 2013 as vice President of Beijing university of technology. The Beijing university of technology, professor, doctoral supervisor, dean of the school of software, embedded computing, director of the institute, Beijing university of technology, deputy director of academic committee and secretary-general, Beijing Internet software and systems engineering technology research center director. His research interests have been Internet of things.

Title: What is the relation between Artificial Intelligence and Pattern Recognition under the Internet of things?

Jin Wang
Beijing University of Technology China

Jin Wang received a Bachelor's degree in Software Engineering from Beijing University of Chemical Technology, Beijing, China, in 2012.6. And won the National Scholarship in 2010 and won the National Endeavor Fellowship in 2009. She received a Mastersr graduate in Computer Application Technology in Shijiazhuang Tiedao University in 2015.1. And published many papers, including ISTP, EI and SCI. Participate in three National Natural Science Fund Project (No: 61203377, 60963011, 61162009) and Jiangxi Natural Science Foundation of China (No: 2009GZS0022), and the Special Research Foundation of Shijiazhuang Tiedao University (No: Z9901501, 20133007). She used to work at the computer center of the Navy General Hospital in 2015.4-2015.7 as an intern technician. Participate in Naval Logistics Project and anesthesia program (CHJ13L012). Now from 2015.4 she is in the school of software engineering, Department of information, Beijing University of Technology, read her PHD, Her research interests are the Internet of things and software engineering and Embedded and image and video quality assessment in distorting network

Title: A New Matrix Operation in Compressed Sensing

Yaqi Mi,
Beijing University of Posts and Telecommunications, Beijing, China

Yaqi Mi received the B.S.degree in computer science and technology from Zhejiang University of Finance & Economics, Hangzhou, China, in 2016. Now she is working towards the M.S degree in information security at Beijing University of Posts and Telecommunications, Beijing, China. Her major interests are compressive sensing and signal processing

Title: Towards online generation of intelligent adaptive video games for education

Boyan Bontchev,
Sofia University,

Boyan Bontchev is Professor at Department of Software Engineering at Sofia University and has PhD degree in Parallel Processing from the Bulgarian Academy of Sciences. He has acted as consultant and industrial project manager at many private entities in Portugal, Spain, Italy, and Bulgaria. Prof. Bontchev has participated in many research and industrial projects, both Bulgarians and in the scope of EC FP5/6/7. He was evaluator at Research Executive Agency at EC for the FP7 PEOPLE program. Dr. Bontchev is author of about 120 scientific publications and runs as invited speaker at European conferences and doctoral schools. In 2014-2016, he was Marie Curie fellow at Brainstorm Multimedia (Valencia, Spain) and was responsible for developing adaptive educational video games in the scope of the ADAPTIMES FP7 project (ADAPTIve player-centric serious video gaMES). Since December 2017 he is project coordinator of the APOGEE project (smArt adaPtive videO GamEs for Education).

Title: Layers of Meaning: Exploring artistic impressions and imperfect realism in Virtual Reality

Benjamin Seide,
School of Art, Design and Media, Nanyang Technological University, Singapore

Benjamin Seide has an expertise in Animation, Visual Effects and Virtual Reality. His Visual Effects work as animation practitioner contributed to international feature

films such as Roman Polanski's Oliver Twist, Wim Wender's Don't Come Knocking and Martin Scorsese's Hugo. His research focuses on interdisciplinary

collaboration of art and technology, immersive media experiences such as 360° films, 3D stereoscopy and Virtual Reality.

Title: Automatic Video Superimposed Text Detection Based on Nonsubsampled Contourlet Transform

Xiaodong Huang,
Capital Normal University,
Beijing , China

Xiaodong Huang is an associate professor of capital normal university, China. He received his Ph.D. degree in Computer Science from the Beijing University of Posts and Telecommunications in 2010, M.S. degree in computer science from the Beijing University of Posts and Telecommunications in 2006 and B.S. degree in computer science from Wuhan University of Technology in 1995. His research interests include pattern recognition and computer vision.

Title: ModelinModeling Human Visual attention in Multimedia Indexing and retrieval

Jenny BenoisPineau,
University of Bordeaux/LABRI, UMR 58000

Research group at LABRI. Her topics of interest include image and multimedia content mining, machine learning . She is the author and co-author of more than 170 papers in international journals, conference proceedings, book chapters. She has tutored an co-tutored 26 PhD students and 20 research masters. She is an expert for European Commission H2020., a member of IEEE TC IVMSP. She has been coordinator or leading researcher in international research projects , FP6 , FP7, COST, national research projects ANR and projects with French companies.

Title: Alpha matting using robust color sampling and fully connected conditional random fields

Fang-Ru Lin
National Chiao Tung University, Taiwan

Fang-Ju Lin received her M.S. degree in computer science from the National Chiao Tung University, Hsinchu, Taiwan, in 2007. She is currently the technical manager at the PI Bioelectronics, Taichung, Taiwan. She is currently pursuing her Ph.D. degree, also in computer science, at the National Chiao Tung University, Hsinchu, Taiwan. She is a member of the PhiTau Phi Scholastic Honor Society. Her current research interests include image processing, pattern recognition, computer vision, and machine learning.

Rome Attractions



Glimpses of Multimedia Conferences

























Glimpses of Multimedia Conferences

























Major Scientific Sessions

- Imaging and Image Processing
- Multimedia Cloud and Big Data
- Multimedia IoT
- Multimedia Systems & Services
- Computer Games Design & Development
- Multimedia Applications
- Computer Graphics & Animation
- Computer Vision and Pattern Recognition
- Virtual Reality & Augmented Reality

For detailed sessions, please visit:

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Best Poster Award



- You will be given about 5-7 minutes to present your poster including questions and answers. Judges may pose questions during the evaluation of the poster
- Judges will even evaluate the student's enthusiasm towards their study, interest and knowledge in the area of their research
- The winners will be announced at the closing ceremony of the conference. The decision of the winner will be withdrawn if the winner/winners is/are not present at the time of announcement



- Apart from the judging time you may also be present at the poster to share your research with interested delegates

Young Researchers Forum

- Present your research through oral presentations
- Learn about career development and the latest research tools and technologies in your field
- This forum will give pertinent and timely information to those who conduct research and those who use and benefit from research
- Develop a foundation for collaboration among young researchers
- The forum will provide an opportunity for collegial interaction with other young investigators and established senior investigators across the globe
- Interact and share ideas with both peers and mentors

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Scientific Program

3rd Global Summit and Expo on

Multimedia & Artificial Intelligence

July 20-21, 2017 Lisbon, Portugal



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47 Churchfield Road, London, W3 6AY
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Day 1 July 20, 2017

Registrations

Vasco de Gama 1

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Opening Ceremony

Keynote Forum

Introduction

Title: How well can computers recognize handwriting?

Ching Y Suen, Concordia University, Canada

Title: Document analysis: A state of the art concerning a research field at the intersection of several disciplines

Jean-Marc Ogier, University of La Rochelle, France

Group Photo

Networking & Refreshments Break

Title: Multimedia security in big data era: Advances and open questions

Jiankun Hu, University of New South Wales, Australia

Title: Video-based interactive and immersive media experiences

Teresa Chambel, University of Lisbon, Portugal

Sessions: Animation and Simulations | Artificial Intelligence | Image Processing | Computer Vision & Pattern Recognition | Multimedia Networking

Session Chair: Ching Y Suen, Concordia University, Canada

Session Co-Chair: Mort Naraghi-Pour, Louisiana State University, USA

Session Introduction

Title: Context-based unsupervised ensemble learning and feature ranking

Mort Naraghi-Pour, Louisiana State University, USA

Title: The Circuit of Bachelard: A lumino kinetic interactive artwork at Ecole de technologie supérieure

Ghyslain Gagnon, Ecole de technologie supérieure, Canada

Lunch Break

Title: Sequential modelling and recognition of human gestures and actions

Mounim A El Yacoubi, University of Paris-Saclay, France

Title: Blur in text documents: Estimation and restoration

Nicole Vincent, Paris Descartes University, France

Title: Designing video games

Nuria Medina Medina, University of Granada, Spain

Title: Computer vision and machine intelligence to the service of societal needs

Stylianos Asteriadis, Maastricht University, Netherlands

Title: Image to sound mapping and its processing techniques

Arata Kawamura, Osaka University, Japan

Networking & Refreshments Break

Title: PANOSE-A: Encoding Arabic fonts based on design characteristics

Jehan Janbi, Taif University, KSA

Title: Dynamic RB allocations using ARQ status reports for multimedia traffic in LTE networks

Tsang-Ling Sheu, National Sun-Yat-sen University, Taiwan

Title: Feature-point geometrical face recognition with local invariant features

Yea-Shung Huang, Huang-Hua University, Taiwan

Title: Maya blend shapes for 3D facial animation

David Xu, Regent University, USA

Panel Discussion

Day 2 July 21, 2017

Vasco de Gama 1

Keynote Forum

Title: Playful multimedia in smart and playable cities
Anton Nijholt, University of Twente, Netherlands
Title: Biometric big data in smart cities: Opportunities in forensics, healthcare, banking, cybersecurity and privacy
Richard Jiang, Northumbria University, UK

Networking & Refreshments Break

Workshop

Title: Can handwriting analysis help for Alzheimer detection?
Mounîm A El-Yacoubi, University Paris Saclay, France

Sessions: Computer Graphics & Applications | Machine Learning | Computer Vision & Pattern Recognition | Image Processing

Session Chair: J J Joshua Davis, The Embassy of Peace, New Zealand

Session Introduction

Title: Interactive complex virtual environments using XML configuration files
Leonel Antonio Toledo Díaz, Barcelona Supercomputer Center, Spain
Title: Pattern recognition for architecture: Identifying interior styles and scene components from images
Aykut Koc, ASELSAN Research Center, Turkey

Lunch Break

Title: Learning about higher cognitive functions through the art of encephalography and brain dynamics movies
J J Joshua Davis, The Embassy of Peace, New Zealand
Title: Training long history on real reward and diverse hyper parameters in threads combined with DeepMind's A3C+
Takayoshi Iitsuka, The Whole Brain Architecture Initiative, Japan
Title: The impact of utilizing Twitter in the e-learning process: The comprehension of taught materials and the communication between college students
Mrouj M Almuhajri, Saudi Electronic University, KSA
Title: Technique of obtaining visually perceived positions using movements of users' bodies
Masohiro Suzuki, Kanagawa Institute of Technology, Japan
Title: Sparse representation for image classification
Yufang Tang, Shandong Normal University, China
Title: Generating graphs from key points for near-duplicate document image matching
Li Lu, University of Shanghai for Science and Technology, China

Networking & Refreshments Break

Panel Discussion

Young Researchers Forum

Title: A distant augmented reality system for cultural heritage sites using drones
Metehan Unal, Ankara University, Turkey
Title: Viewpoint class based camera pose estimation and object recognition
Yoshikatsu Nakajima, Keio University, Japan
Title: Packet loss rate mapped to the quality of experience in the IOT network
Jin Wang, Beijing University of Technology, China

Awards for Poster Presentations



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613th Conference

Scientific Program

Proceedings of

2nd Global Summit and Expo on

MULTIMEDIA & APPLICATIONS

August 15-16, 2016 London, UK



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Scientific Program

Day 1 August 15, 2016

Registrations

Madison

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Opening Ceremony

Keynote Forum

Introduction

Title: Digital fonts and reading
Ching Y Suen, Concordia University, Canada

Title: Art and multimedia
Yoichiro Kawaguchi, University of Tokyo, Japan

Networking and Refreshments

Title: Animation: The reality of emotion
Jamie Denham, Sliced Bread Animation, UK

Session: Imaging and Image processing | Multimedia in Computer Games | Mobile Multimedia | Multimedia Tools and Applications | Multimedia Signal Processing

Session Introduction

Session Chair: Vijayan K Asari, University of Dayton, USA
Session Co-Chair: Margrit Gelautz, Vienna University of Technology, Austria

Title: Dynamic simulation and effects in animation and computer game
David Xu, Regent University, USA

Title: Algorithms for 3D film content generation and post-processing
Margrit Gelautz, Vienna University of Technology, Austria

Lunch

Title: On the fast impulsive noise removal in color digital images
Bogdan Smolka, Silesian University of Technology, Poland

Title: Flow as you've never seen it
Robert S Laramee, Swansea University, UK

Title: Real-time correction of panoramic images using hyperbolic Möbius transformations
Leonardo Sacht, Federal University of Santa Catarina, Brazil

Title: Homographic p-norms: Metrics of homographic image transformation
Changsoo Je, Sogang University, Korea

Title: The complexity model of communication with computer images
Toshie Takahashi, Waseda University, Japan

Title: Gradient domain image denoising
Xiaobo Zhang, Xianyang Normal University, China

Networking and Refreshments

Title: Approximation of feature pyramids in the transform domain for object detection
Mohamed A Naiel, Concordia University, Canada

Title: Efficient video compression techniques
Ahmad A Mazhar, Saudi Electronic University College of Computing and Informatics, KSA

Title: Fuzzy PID control method for outer loop voltage of bidirectional DC-DC Converter
Guangya Liu, Hubei University of Technology, China

Panel Discussion

Day 2 August 16, 2016

Madison

Keynote Forum

Introduction

Title: A nonlinear manifold learning strategy for robust face recognition
Vijayan K Asari, University of Dayton, USA

Title: Visual analytics for big video data
Robert S Laramee, Swansea University, UK

Networking and Refreshments

Session: **Computer Vision | Multimedia Health Computation and its Applications | Multimedia Systems and Applications | Human-Computer Interaction | Multimedia Content Analysis**

Session Introduction

Session Chair: Ghyslain Gagnon, Ecole de Technologie Supérieure, Canada
Session Co-Chair: Changsoo Je, Sogang University, Korea

Title: Robust multiple-instance learning ensembles using random subspace instance selection
Ghyslain Gagnon, Ecole de Technologie Supérieure, Canada
Title: Automatic object recognition and tracking in complex environmental conditions
Vijayan K Asari, University of Dayton, USA
Title: Cultural comparison for the action of looking at a mobile phone display focusing on independent/interdependent self
Takashi Nakamura, Niigata University, Japan
Title: Complex event detection via bank based multimedia representation
Changyu Liu, South China Agricultural University, China

Lunch

Title: Fast motion estimation for HEVC on graphics processing unit (GPU)
Dongkyu Lee, Kwangwoon University, Korea
Title: BrightHearts - the development and evaluation of an application for training children in the use of biofeedback assisted relaxation for the management of pain and anxiety
Angie Morrow, Kids Rehab- The Children's Hospital at Westmead, Australia
Title: Mobile network computer should be the terminal of mobile communication network in multimedia age
Zhaoming Guo, Beijing Institute of Technology, China
Title: The global performance evaluation for local descriptors
Xintao Ding and Yonglong Luo, Anhui Normal University, China

Networking and Refreshments

Title: Visualization techniques for crowd simulation
Leonel Antonio Toledo Díaz, Instituto Teconologico de Estudios Superiores de Monterrey, México
Title: Approach for microposts retrieval in microblogging platforms based on Semantic Web technologies and social network analysis
El Habib Nfaoui, Sidi Mohamed Ben Abdellah University, Morocco
Title: A cognitive multimedia environment and its importance: A conceptual model for effective learning and development
Yolanda Mafikeni, Hartland Training & Development Centre, South Africa

Panel Discussion

Award Ceremony & Certificate Distribution

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Scientific Program

Day 1 **August 10, 2015**

Registrations

Salis-Well

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Opening Ceremony

Keynote Forum

Introduction

Vijayan K Asari
University of Dayton, USA

Robert S Laramee
Swansea University, UK

Coffee Break @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

Title: Wide area surveillance: Situational awareness for security automation
Vijayan K Asari, University of Dayton, USA
Title: Knowledge-Assisted Ranking: A visual analytic application for multimedia sport event data
Robert S Laramee, Swansea University, UK
Title: Copyright requirements in the 3D printing industry
Jongweon Kim, Sangmyung University, Korea

Lunch Break @Salis-Well

Title: Multimedia information system security
Wasan Mehdi, University of Bedfordshire, UK
Title: IP multicast communication in the Internet of things
Imed Romdhani, Edinburgh Napier University, UK
Title: The impact of Mobile Learning Game Engine (MLGE) in education
Wong Seng Yue, Taylor's University LakeSide Campus, Malaysia
Title: Computational audio analysis for music and health informatics
Shyamala Doraisamy, University Putra Malaysia, Malaysia

Coffee Break @Salis-Well

Title: Research challenges for immersive video communication ecosystems over future internet
Tasos Dagiuklas, Hellenic Open University, Greece
Title: Emerging technologies for multimedia networks
Tsang-Ling Sheu, National Sun Yat-sen University,Taiwan
Title: Massive multimedia crowd sourced environment for big data capturing, processing, storing and visualization
Mohamed Abdur Rahman, Umm Al-Qura University, KSA
Title: Performance evaluation of hybrid Wi-MAX WI-FI video surveillance systems
Smart C Lubobya, University of Cape Town, South Africa

Panel Discussion

Salis-Well

Keynote Forum

Introduction

Jongweon Kim

Sangmyung University, Korea

Tsang-Ling Sheu

National Sun Yat-sen University, Taiwan

Coffee Break @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

Title: 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
Title: Transforming the adoption of product-service systems through innovations in applied gaming technologies
Panagiotis Petridis, Aston University, UK
Title: An ARQ retransmission scheme for real-time video multicasting over mobile communication networks
Tsang-Ling Sheu, National Sun Yat-sen University, Taiwan

Lunch Break @Salis-Well

Title: An opportunistic cooperative MAC protocol for cognitive vehicular networks
Zi-Tsan Chou, National Sun Yat-sen University, Taiwan
Title: Multimedia big data environment for e-therapy
Mohamed Abdur Rahman, Umm Al-Qura University, Kingdom of Saudi Arabia
Title: Patch-based local histograms and contour estimation for static foreground classification
Alex Lopes Pereira, Technological Institute of Aeronautics, Brazil
Title: Inhomogeneous wireless network load distribution
Kuang-Hui Chi, National Yunlin University of Science and Technology, Taiwan
Title: QKD communication protocol for authentication mechanism of cloud network
Zuriati Ahmad Zukarnain, University Putra Malaysia, Malaysia
Title: Multimedia communication: Its implications on general education
Ogunlade Benjamin Ande, Ladoke Akintola University of Technology, Nigeria

Coffee Break & Poster presentations

Award Ceremony

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801st Conference

3rd International Conference on

Computer Graphics & Animation

November 07-09, 2016 Las Vegas, USA

Scientific Program

Day 1 November 07, 2016

Registrations

Riviera

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Opening Ceremony

Keynote Forum

Introduction

Title: Why the VR you see now is not the real VR
Michael Zyda, USC GamePipe Laboratory, USA

Refreshment Break 10:45-11:00 @ Atrium

Title: Playful and artistic smart material interfaces
Anton Nijholt, University of Twente, Netherlands

Title: From the world's first computer art to Star Trek's Holodeck
Newton Lee, ACM Computers in Entertainment, USA

Session: Computer Graphics and Animation

Session Chair: Matthew Johnson, University of South Alabama, USA
Session Co-chair: Lauren Carr, Montclair State University, USA

Session Introduction

Title: Engaging students while encouraging focus, and time management in the computer arts classroom
Matthew Johnson, University of South Alabama, USA

Lunch Break

Title: The synthesis of 3D software in fine art
Lauren Carr, Montclair State University, USA
Title: Enhancing the dimensional accuracy of a low-cost 3D printer
Paolo Minetola, Polytechnic University of Turin, Italy
Title: Cyber performances, technical and artistic collaboration across Internet
Jiri Navrátil, CESNET, Czech Republic
Title: Crowd simulation: Overview and applications.
Leonel Antonio Toledo Díaz, Monterrey Institute of Technology and Higher Education, Mexico

Refreshment Break

Title: Designing backwards: Rethinking complex issues in animation
Farley J Chery, Worcester Polytechnic Institute, USA
Title: The most important steps and secrets in character creation
Dmitry Gaborak, Insomniac Games, USA

Panel Discussion

Day 2 November 08, 2016

Riviera

Keynote Forum

Title: The future of media
Susan Johnston, New Media Film Festival, USA

Refreshment Break

Title: Support Human-computer interaction to enhance computational engineering design
Timoleon Kipouros, Cambridge University, UK

Session: Computer Graphics and Animation

Session Chair: Boaventura I A G, Sao Paulo State University, Brazil
Session Co-Chair: Ramazan S Aygun, University of Alabama in Huntsville, USA

Session Introduction

Title: Query-by-Gaming: Interactive spatio-temporal querying and retrieval using gaming controller
Ramazan S Aygun, University of Alabama in Huntsville, USA
Title: Texture recognition using a multi-scale local mapped pattern
Boaventura I A G, Sao Paulo State University, Brazil

Lunch Break

Title: Preserving the collective memory and re-creating identity through animation
Inma Carpe, VIA University College, Denmark
Title: Sketch-to-Box: A new character modelling technique
Ismail Khalid Kazmi, Bournemouth University, UK
Title: From print design to virtual reality
Linh Dao, University of Texas at Arlington, USA

Refreshment Break

Title: Scanned human body model realistic pose deformation
Shuaiyin Zhu, The Hong Kong Polytechnic University, Hong Kong
Title: A part-detection based and CRFs embedded deep neural network for human parsing
Yanghong Zhou, The Hong Kong Polytechnic University, Hong Kong

Poster Presentations

CGA-01	**Title: Machine learning in videogames** **Esteban Gil Martínez,** Monterrey Institute of Technology and Higher Education, México
CGA-02	**Title: Use of sprites for 3D enviroments and actor´s simulation** **Yamile Zahoul,** Monterrey Institute of Technology and Higher Education, México
CGA-03	**Title: Virtual Reality as a means for storytelling in animation and its practical uses in therapeutic medicine** **Marlene Palafox Bello,** Monterrey Institute of Technology and Higher Education, México

Day 3 November 09, 2016

Riviera

Session: Computer Graphics and Animation

Title: Nested Cages
Leonardo Sacht, Federal University of Santa Catarina, Brazil
Title: On some possibilities of studing characteristics of periodic signals based on cluster analysis
V Znak, The Institute of Computational Mathematics and Mathematical Geophysics, Russia
Title: Image based rendering - A walkthrough
Vishal Verma, MLN College, India

Refreshment Break

Title: Representing 3D binary objects by means of relative chain codes
Hermilo Sánchez-Cruz, Autonomous University of Aguascalientes, México
Title: Web design for school management system in Ethiopia
Yonas Abebaw, PLC company, Ethiopia

Networking & Closing Ceremony

Lunch Break