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5th Global Summit and Expo on

# Multimedia, Blockchain & Artificial Intelligence Technology

June 17-18, 2019
Berlin, Germany



SCIENTIFIC PROGRAM

# DAY 1
Monday, 17th June

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:** Computer Vision and Pattern Recognition | **Talks On:** Multimedia Applications,Multimedia Systems & Services |
| Image sensor | Multimedia Communication Services |
| Image recognition | Intelligent e-Learning Multimedia |
| Neural Networks | Mobile Technologies and Intelligent Services |
| Action Recognition Source/Channel coding | Multimedia security 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:** ,Computer Graphics & Animation Virtual Reality & Augmented Reality | **Talks On:** Artificial Intelligence & Machine Learning |
| Image-based rendering for | Swarm Intelligence |
| virtual/augmented environments | Fuzzy Logic |
| design and evaluation | Natural language processing |
| Computer Animation & 2D animation | Intelligent robotics |
| Graphical Data Compression | Genetic Algorithms |
| Neural Networks | |

**16:00-16:20 COFFEE BREAK**

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

# DAY 2
Tuesday, 18th June

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: Block chain Technology** | **Talks On: Artificial Intelligence in Block Chain Technology** |
| Block chain for Financial Services | Cryptocurrency |
| Block chain for Agriculture Forum | Block Chain Technology for 3D printing |
| Block Chain Technology Applications | Block chain and Internet of Things |
| Block Chain Technology in Healthcare | Bitcoin security |
| Advanced nutrition and dietetics in diabetes | |

**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 in Healthcare** |
| 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 |
| | Mobile and augmented reality technology in healthcare |

**15:55-16:15 COFFEE BREAK**

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

# **Berlin** Attractions



# Glimpses of Multimedia conferences

















Scientific Program

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1842nd Conference



4th Global Summit and Expo on

# Multimedia & Artificial Intelligence

July 19-21, 2018 | Rome, Italy

**UK: Conference Series llc LTD**
47 Churchfield Road, London, W3 6AY
Toll Free: +0-800-014-8923

# Day-1

July 19, 2018

Registrations

## Opening Ceremony

Olimpica 2

## KEYNOTE FORUM

**Introduction**

**Title: Visual perception for autonomy application to object detection and behavior analysis in complex environmental conditions**
**K Asari Vijayan,** University of Dayton, USA
**Title: SensFloor®: Human movement tracking and more**
**Christl Lauterbach,** Future-Shape GmbH, Germany

## GROUP PHOTO

Networking & Refreshments

**Title: The journey from convolutional neural network to real customer value**
**Andreas Greilhuber,** Anyline GmbH, Austria

## WORKSHOP

**Title: Tracking user status and situation using wearable device**
**Jaehyun Park,** Incheon National University, South Korea

Lunch Break

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

**Chair: Vijayan k Asari,** University of Dayton, USA
**Chair: Hector Perez-Meana,** National Polytechnic Institute, Mexico

## INTRODUCTION

**Title: Semi-tensor product compressive sensing and its application in image processing**
**Haipeng Peng,** Beijing University of Posts and Telecommunications, China
**Title: Evaluation of mobile GSM performance under different atmospheric propagation models**
**Qaysar Salih Mahdi,** Ishik University, Iraq
**Title: Recent research on hardware neural network**
**Byung-geun Lee,** Gwangju Institute of Science and Technology, Republic of Korea
**Title: Foraging behavior of ants and its application in optimization field**
**Lixiang Li,** Beijing University of Posts and Telecommunications, China

**Title: Detectionof uneven road surfaces on internet of vehicles**
**Hanmin Jung,** Korea Institute of Science and Technology Information, South Korea

Networking & Refreshments

Title: **Use of multimedia in grant applications**
**Michael Robert Doran,** Queensland University of Technology, Australia
Title: **Advanced time series prediction methods**
**Ozge Cagcag Yolcu,** Giresun University, Turkey
Title: **A biologically inspired spatio-chromatic feature for color object recognition**
**Tian Tian,** China University of Geosciences, China

## PANEL DISCUSSION

# Day-2

July 20, 2018

Meeting Hall: Olimpica 2

## KEYNOTE FORUM

Title: **Distributed artificial intelligence in robotics**
**Alfonso Iniguez,** Swarm Technology, USA
Title: **Trends and challenges in virtual reality technology**
**Daphne Economou,** Westminster University, UK

Networking & Refreshments

Title: **Document scanning from R & D to a real product at Anyline GmbH**
**Aniello R Patrone,** Anyline GmbH, Austria

Sessions: **Virtual reality | Neural Networks | Artificial Intelligence | Image Processing | Computer Vision & Pattern Recognition | Multimedia Networking**

Chair: **Daphne Economou,** Westminster University, UK

## INTRODUCTION

Title: **Face expression recognition in constrained and unconstrained environments**
**Hector Perez-Meana,** National Polytechnic Institute, Mexico

Lunch Break

Title: **Layers of meaning: Exploring artistic impressions and imperfect realism in virtual reality**
**Benjamin Seide,** Nanyang Technological University, Singapore

**Title: Appling both hybrid restricted Boltzmann machine and deep convolution neural networks to low-resolution face image recognition**

**Shi-Jinn Horng,** National Taiwan University of Science and Technology, Taiwan

**Title: Multimodal image popularity prediction on social media**

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

**Title: Automatic video superimposed text detection based on nonsubsampled contourlet transform**

**Xiaodong Huang,** Capital Normal University, China

**Networking & Refreshments**

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

**Daijin Kim,** Pohang University of Science and Technology, Republic of Korea

**Title: A new matrix operation in compressed sensing**

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

## Awards & Closing Ceremony

## PANEL DISCUSSION

# Day-3

**July 21, 2018**

**Networking and Lunch**

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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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## 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**



**Bookmark your dates**

4th Global Summit and Expo on

# Multimedia & Artificial Intelligence

June 18-20, 2018 Warsaw, Poland

E-mail: multimedia@conferenceseries.net; multimedia@enggconferences.com

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613th Conference

# Scientific Program

Proceedings of

2nd Global Summit and Expo on

# MULTIMEDIA & APPLICATIONS

August 15-16, 2016 London, UK




**UK: Conference Series llc LTD**

47 Churchfield Road, London, W3 6AY,

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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


## Bookmark Your Dates

3rd Global Summit and Expo on

# Multimedia & Applications

July 20-21, 2017 Lisbon, Portugal

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