

Scientific Program



4th Global Summit and Expo on
**Multimedia &
Artificial Intelligence**

July 19-21, 2018 | Rome, Italy

UK: Conference Series Ilc LTD

47 Churchfield Road, London, W3 6AY

Toll Free: +0-800-014-8923

Day-1

July 19, 2018

08:30-09:00 Registrations

Opening Ceremony

09:00-09:15

Olimpica 2

KEYNOTE FORUM

Introduction

09:15-10:00 **Title: Visual perception for autonomy application to object detection and behavior analysis in complex environmental conditions**
K Asari Vijayan, University of Dayton, USA

10:00-10:45 **Title: SensFloor®: Human movement tracking and more**
Christl Lauterbach, Future-Shape GmbH, Germany

GROUP PHOTO

Networking & Refreshments 10:45-11:05 @ Foyer

11:05-11:50 **Title: The journey from convolutional neural network to real customer value**
Andreas Greilhuber, Anyline GmbH, Austria

WORKSHOP

11:50-12:50 **Title: Tracking user status and situation using wearable device**
Jaehyun Park, Incheon National University, South Korea

Lunch Break 12:50-13:50 @ Hotel Restaurant

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

13:50-14:15 **Title: Semi-tensor product compressive sensing and its application in image processing**
Haipeng Peng, Beijing University of Posts and Telecommunications, China

14:15-14:40 **Title: Evaluation of mobile GSM performance under different atmospheric propagation models**
Qaysar Salih Mahdi, Ishik University, Iraq

14:40-15:05 **Title: Recent research on hardware neural network**
Byung-geun Lee, Gwangju Institute of Science and Technology, Republic of Korea

15:05-15:30 **Title: Foraging behavior of ants and its application in optimization field**
Lixiang Li, Beijing University of Posts and Telecommunications, China

15:30-15:55

Title: Detection of uneven road surfaces on internet of vehicles

Hanmin Jung, Korea Institute of Science and Technology Information, South Korea

Networking & Refreshments 15:55-16:15 @ Foyer

16:15-16:40

Title: Use of multimedia in grant applications

Michael Robert Doran, Queensland University of Technology, Australia

16:40-17:05

Title: Advanced time series prediction methods

Ozge Cagcag Yolcu, Giresun University, Turkey

17:05-17:30

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

10:00-10:45

Title: Distributed artificial intelligence in robotics

Alfonso Iniguez, Swarm Technology, USA

10:45-11:30

Title: Trends and challenges in virtual reality technology

Daphne Economou, Westminster University, UK

Networking & Refreshments 11:30 -11:50 @ Foyer

11:50-12:35

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

12:35-13:00

Title: Face expression recognition in constrained and unconstrained environments

Hector Perez-Meana, National Polytechnic Institute, Mexico

Lunch Break 13:00-14:00 @ Hotel Restaurant

- 14:00-14:25** **Title: Layers of meaning: Exploring artistic impressions and imperfect realism in virtual reality**
Benjamin Seide, Nanyang Technological University, Singapore
- 14:25-14:50** **Title: Applying 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
- 14:50-15:15** **Title: Multimodal image popularity prediction on social media**
Kai-Lung Hua, National Taiwan University of Science and Technology, Taiwan
- 15:15-15:40** **Title: Automatic video superimposed text detection based on nonsubsampling contourlet transform**
Xiaodong Huang, Capital Normal University, China
- Networking & Refreshments 15:40-16:05 @ Foyer**
- 16:05-16:30** **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
- 16:30-16:55** **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 12:30-13:30 @ Hotel Restaurant