Scientific Program

4th World Congress on

Robotics and Artificial Intelligence

October 23-24, 2017   Osaka, Japan
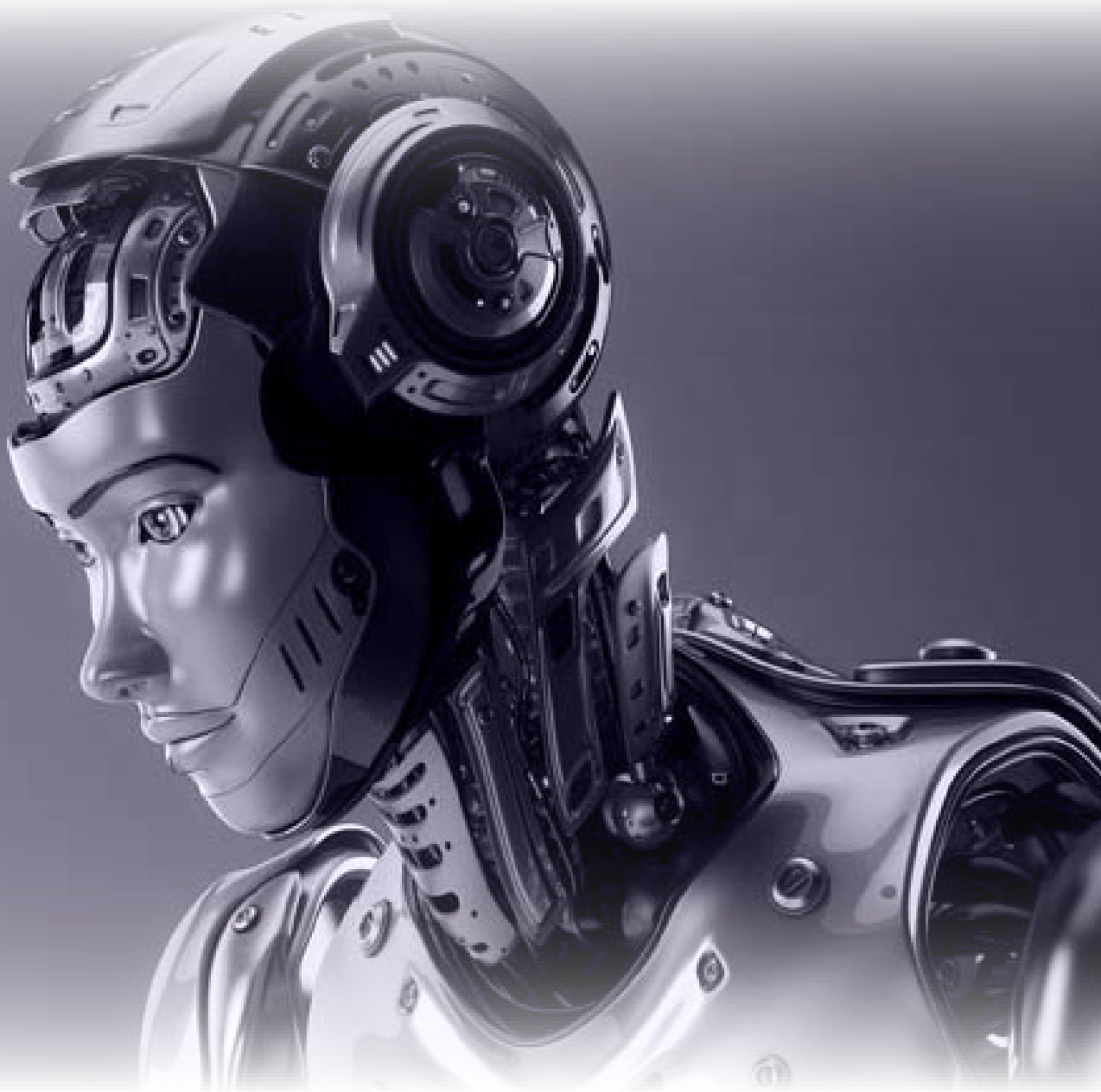
Day 1 October 23, 2017

08:45-09:15   Registrations

Tatsuta

conferenceseries.com   09:15-09:30 Opening Ceremony

Keynote Forum

09:30-10:15	**Title: Distributed task allocation for multi-robot systems in search and rescue scenario** **Qinggang Meng,** Loughborough University, UK
10:15-11:00	**Title: User centered design and rehabilitation robotics: Have we done enough?** **Andrew Weightman,** University of Manchester, UK

Group Photo

Networking & Refreshment Break 11:00-11:15 @3F Regency A

Sessions:

Robotics | Human-Robot Interaction | Robotics and Mechatronics | Robot Manipulators | Multi Robot Systems | Remote and Telerobotics

Session Introduction

Session Chair: Henrique Martins, President of the Board of SPMS, Portugal
Session Co-chair: Wenbo Wang, Nanjing University of Aeronautics and Astronautics, China

11:15-11:45	**Title: A case study for the design and development of a robotic device for spray applied insulation in underfloor voids** **Mathew Holloway,** Imperial College London, UK
11:45-12:15	**Title: Mechatronics: The gateway to the national development** **Anjali Vishwas Kulkarni,** Indian Institutes of Technology Kanpur, India
12:15-12:45	**Title : Development of fully autonomous unmanned aerial systems** **Ben M. Chen,** National University of Singapore, Singapore

Lunch Break 12:45-13:45 @3F Regency A

13:45-14:15	**Title: The promise of direct neural control of powered prosthetic limbs via peripheral nerve interfacing: Techniques, successes and current issues** **Ronald R Riso,** Massachusetts Inst. Tech, USA
14:15-14:45	**Title: Robo-pigeon flying under preprogram-control outdoors** **Hao Wang,** Nanjing University of Aeronautics & Astronautics, China
14:45-15:15	**Title: How humans perceive arm perturbations in haptic based robotic guiding** **Anuradha Ranasinghe,** Liverpool Hope University, UK
15:15-15:45	**Title: Turning behavior elicited by electrical stimulation in a Robo-pigeon** **Lei Cai,** Biology Institute of Shandong Academy of Sciences, China
15:45-16:15	**Title: Understanding and exploiting natural dynamics for highly dynamic motion of underactuated robots** **Ziad Zamzami,** Sorbonne University, France

Networking & Refreshment Break 16:15-16:30 @3F Regency A

Panel Discussions

Day 2 October 24, 2017

Tatsuta

Keynote Forum

09:30-10:15	**Title: eHealth in Portugal and Intelligent Machines** **Henriques Martin,** Beira Interior University, Portugal
10:15-11:00	**Title: Biomedical microsystem for neuro interface: Monitoring, stimulations, and its application in brain-machine interface** **Hyunjoo J Lee,** KAIST, Korea

Sessions:

Micro Electro Mechanical Systems (MEMS) and Micro Robots | Neural Networks | Aerial Robotics and UAV | Intelligent Autonomous Systems and Robots | Medical Robotics | Artificial Intelligence

Session Introduction

Session Chair: Qinggang Meng, Loughborough University, UK
Session Co-chair: Andrew Weightman, University of Manchester, UK

11:15-11:45	**Title: Miniature microdrive for locomotion control in freely moving lizard Gekko gecko** **Wenbo Wang,** Nanjing University of Aeronautics and Astronautics, China
11:45-12:15	**Title: The substrate reaction forces acting on a gecko's limbs responding to inclines** **Zhouyi Wang,** Nanjing University of Aeronautics and Astronautics, China

Video Presentation

12:15-12:45	**Title: Window media player remotely controlled with human palm gestures using arduino** **Manoj Kumar Sharma,** Amity University Jaipur, India

Lunch Break 12:45-13:45 @3F Regency A

Young Researchers Forum

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13:45-14:15	**Title: Low cost robotic tape library systems using open source software and hardware** **Nkhumise,** RM, Square Kilometer Array (SKA), South Africa
14:15-14:45	**Title: Improvement of speaker recognition tasks using deep learning and fusion features** **Youssouf Ismail Cherifi,** Institute of Electrical & Electronic Engineering, Algeria
14:45-15:15	**Title: Terrain classification for unmanned ground vehicle in an unstructured environment** **Antonius Mamphiswana,** University of the Witwatersrand, South Africa
15:15-15:45	**Title: AI as future digital citizens: Overcoming the hard problem of consciousness with emotional responses and touch sense conditioning** **Shannon D Bohle,** Archivopedia LLC, USA

Panel Discussions

Awards and Closing Ceremony

Networking & Refreshment Break 16:00-16:15 @ 3F Regency A
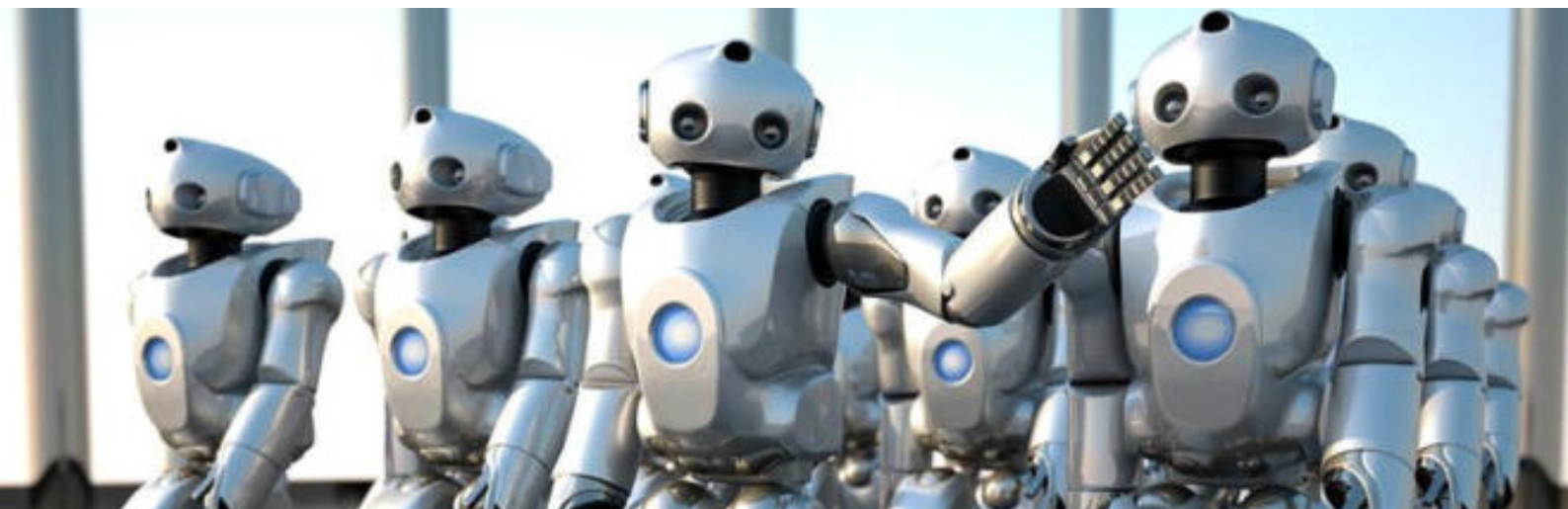
Next in Series

6th World Congress on

Robotics and Artificial Intelligence

September 19-20, 2018   Singapore

e-mail: roboticscongress@enggconferences.com | roboticscongress@nanotechconferences.org

Website: https://robotics.conferenceseries.com