APHRODITE

Adaptive behavioral models of robotic systems based on brain-inspired AI cognitive architectures.

WORKSHOP PROGRAM

August 29th, 2022 Naples

IEEE Ro-Man Workshop

Sala Santa Lucia, Royal Continental Hotel & Hybrid

9.00 – 9.15 Welcome & Introduction, *Dr. Laura Fiorini, University of Florence*

9.15 – 10.05 Author Presentation, Session I

Chair: Prof. Mauro Dragone, Heriot-Watt University, Edimburgh, UK

- ○ *Feasibility and Acceptability of Assistive Robots for At-Home Early Detection of Mild Cognitive Impairment,* **Marta Romeo,** The University of Manchester, Manchester UK

- ○ *A Digital Twin Approach for Cognitive Assistive Robotic Environments,* **Scott MacLeod,** Heriot-Watt University, Edimburgh, UK

- ○ *Dancing with a robot: an inner view on technology for rehabilitation and support to therapists in the stimulation of Parkinson's disease patients*, **Carlo La Viola**, University of Florence, Florence, IT.

- ○ *Dialogue Is All You Need: Bridging Fast and Slow Thinking in Social Robots,* **Riccardo De Benedictis,** National Research Center, Rome, IT.

- ○ *Prototyping an Architecture of Affective Robotic Systems Based on the Theory of Constructed Emotion,* **Kuldar Taveter**, University of Tartu, Tartu, EE

10.05 – 10.45 Author Presentation, Session II

Chair: Prof. Hiroaki Wagatsuma, Kyushu Institute of Technology, Kyushu, JP

- ○ *A proposal for architecture of kitchen-related activity recognition system with multimodal sensor fusion,* **Aurora Polo Rodríguez**, University of Jaén, Jaén, SP

- ○ *A Named Entity Recognition Model for Manufacturing Process Based on the BERT Language Model Scheme,* **Manu Shrivastava**, Kyushu Institute of Technology, Kyushu, JP

- ○ *Intelligent Sensing for Smart Robotic Walkers to Support Ageing in Place: A Review,* **Angela Higgins**, University of Notthingham, UK

- ○ *Remote control and autonomous vision-guided navigation system for a hexapod robot,* **Aurora Polo Rodríguez**, University of Jaén, Jaén, SP

10.45 – 11.15 Coffee Break

11.15 – 12.50 Round Table on "Behavioural models for robotics system: where we are and future trends"

(Chairs: Laura Fiorini, Riccardo De Benedictis)

Prof. Leopoldina Fortunati, University of Udine, Udine, IT
Prof. Praminda Caleb-Solly, University of Nottingham, Nottingham, UK
Prof. Filippo Cavallo, University of Florence, Florence, IT
Prof. Rainer Wieching, University of Siegen, Siegen, DE
Prof. Anna Esposito, Istituto Alti Studi Caianello, Naples, IT

12.50 – 13.00 Wrap up & Conclusion

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