

# First European Workshop on Artificial Life and Robotics

## Final Program

### Wednesday, July 11

17.00 – 18.30	Registration
18.30	Meeting for welcome dinner at the registration site
19.00	Welcome dinner

### Thursday, July 12

8.30 – 9.15	Registration
9.15 – 9.30	Opening
9.30 – 10:30	<b>Invited talk:</b> <u>Masanori SUGISAKA</u> : Action Control for Lower Limb of Humanoid Type Robot with Artificial Muscles
10:30 – 11:00	Coffee break
11.00 – 12.00	<b>Invited talk:</b> <u>Henrik H. LUND</u> : Modular Robotics for Play and Rehabilitation
12.00 – 12.30	Visit of the IHRT Lab
12.30 – 14.00	Lunch break
14.00 – 15.00	<b>Invited talk:</b> <u>Jeffrey JOHNSON</u> : Multilevel Hypernetworks in Robotics and Complex Intelligent Systems
15.00 – 15.20	<u>Jana HORÁKOVÁ</u> , <u>Jozef KELEMEN</u> : Robots: Cultural Roots and Impacts
15.20 – 15.40	<u>Luigi PAGLIARINI</u> , <u>Henrik H. LUND</u> : The Polymorphic Intelligence
15.40 – 16.10	Coffee break
16.10 – 16.30	<u>Orazio MIGLINO</u> , <u>Onofrio GIGLIOTTA</u> , <u>Michela PONTICORVO</u> , <u>Henrik H. LUND</u> : Human Breeders for Evolving Robots
16.30 – 16.50	<u>Lei ZHANG</u> , <u>John HALLAM</u> , <u>Jakob CHRISTENSEN-DALSGAARD</u> : Modelling Asymmetry in the Peripheral Auditory System of the Lizard
16.50 – 17.10	<u>Ken NAITOH</u> : Stochastic Determinism Underlying Life
17.10 – 17.30	<u>Ken NAITOH</u> : Engine for Cerebral Development
19.30	Special Workshop Dinner

## Friday, July 13

- 8.30 – 9.00 Registration
- 9:00 – 9.45 **Invited talk:** Peter KOPACEK: Playing with Robots - Robots for Entertainment, Leisure and Hobby - Robot Soccer
- 9.45 – 10.05 Norbert JESSE: Robot Soccer in Education and Research? - Challenges for the Future
- 10.05 – 10.25 Norman WEISS: Current and Future Trends and Challenges in Robot Soccer Vision
- 10.25 – 11:00 Coffee break
- 11.00 – 12.00 **Invited talk:** John L. CASTI: That's Life?: Yes, No, Maybe
- 12.00 – 12.30 Visit of the IHRT Lab
- 12.30 – 14.00 Lunch break
- 14.00 – 14.20 Man-Wook HAN, Gregor KLANČAR, Igor ŠKRJANC: Contribution to the Navigation of Mobile Robots
- 14.20 – 14.40 Jidan AL-ERYANI: Biologically Inspired Decision-Making in the Robot Platform MAMoRo
- 14.40 – 15.00 Tomislav REICHENBACH: A Dynamic Simulator for Humanoid Robots
- 15.00 – 15.20 Roxana HASEGANU, Gabriel TIMOFTE: Implementation of the ZMP method
- 15.20 – 15.40 Coffee break
- 15.40 – 16.00 Thomas COLLINS, J.J. COLLINS, Conor RYAN, Malachy EATON: Establishing the Comparative Performance Capabilities of Sonar Based Occupancy Grid Mapping Techniques
- 16.00 – 16.20 Mai UMEKI, Yasuhiro SUZUKI: A Simple Method for Simulating Biochemical Reaction Networks
- 16.20 – 16.40 Hye-Yoen JANG, Tae-Sik KIM, Jae-Ho JANG, Chang-Soo HAN, Jung-Soo HAN: Control method for Wearable Robot using the Surface Electromyogram
- 16.40 – 17.00 Dong-Jin PARK, Taesik KIM, Hye-Yoen JANG, Jae-Ho JANG, Chang-Soo HAN, Jung-Soo HAN: Development of a Gait Assistant Service Mobile Robot using an Ergonomic Design
- 17.00 – 17.20 Takao ITO, Makoto SAKAMOTO: Some Accepting Powers of Three-Dimensional Parallel Turing Machines
- 17.20 Closing