Beyond AI

Interdisciplinary Aspects of
Artificial Intelligence

Conference Programme

Venue: **University of West Bohemia, Pilsen, Univerzitní 22, room UV115**
Date: **December 8–9, 2011**

Thursday, December 8th

07:45–08:45	arrival and registration
08:45–09:00	official opening of the conference

Keynote Session 1 chair: Jan Romportl
09:00–10:20	keynote speakers: Jozef Kelemen and Matjaz Gams
10:20–10:30	coffee break
10:30–11:20	keynote speaker: Paulo Leitao
11:20–12:00	panel discussion with keynote speakers

12:00–13:30	lunch break

Session 1 chair: Jozef Kelemen
13:30–14:00	Catalin Buiu et al.: *Perspectives of using membrane computing in the control of mobile robots*
14:00–14:30	Manuel Garcia-Quismondo and Mario J. Perez-Jimenez: *Implementing ENPS by means of GPUs for AI applications*
14:30–15:00	Pavel Nahodil and Jaroslav Vitku: *New way how to build an autonomous creature*

15:00–15:15	coffee break

Session 2 chair: Paulo Leitao
15:15–15:45	Miloslav Hajek and Yashik Singh: *Medical AI - HIV/AIDS Treatment Management*
15:45–16:15	María C. Rodríguez-Gancedo et al.: *Patient Experience in e-Health ECA Applications*
16:15–16:45	Zdenek Hanzlicek and Jindrich Matousek: *Voice conservation: Towards creating a speech-aid system for total laryngectomees*

16:45–17:00	coffee break

Session 3 chair: Radek Schuster
17:00–17:30	Peter Mikulecky: *The Fourth Dimension of AmI: Co-existence*
17:30–18:00	William York and Hamid Ekbia: *Analogy, Aesthetics, and Affect: What HCI Designers Can Learn from AI*
18:00–18:30	Elena Benderskaya: *Nonlinear Trends in Modern Artificial Intelligence: A New perspective*

19:30–23:00	conference dinner at the Pilsner Urquell Brewery

Friday, December 9th

Keynote Session 2	chair: Pavel Ircing
09:00–10:45	keynote speakers: Ivan M. Havel and Anders Sandberg
10:45–11:15	panel discussion with keynote speakers
11:15–11:30	coffee break
Session 4	chair: Anders Sandberg
11:30–12:00	Mateusz Wozniak: *Embodied Agent or Master of Puppets. Human in Relation with his Avatar*
12:00–12:30	Eva Prokesova: *What Is Moral Agency of Artificial Agents?*
12:30–13:00	Eliska Kvetova: *New Emergence as Supervenience Relieved of Problems*
13:00–14:00	lunch break
Session 5	chair: Jan Romportl
14:00–14:30	Jan Stebetak et al.: *Neuroinformatics – data management and analytic tools for EEG/ERP research*
14:30–15:00	Daniel Prusa and Vaclav Hlavac: *Hand-drawn Objects with Structure as Means of Communication with Machines*
15:00–15:30	Peter Mikulecky: *Beyond AI: Towards Smart Workplaces*
15:30–15:45	coffee break
Session 6	chair: Ivan M. Havel
15:45–16:15	Tzu-Keng Fu: *Against the Usage of "Formal Rules" in the Human Intelligence Investigations*
16:15–16:45	Tarek Richard Besold: *Rationality {in|through|for} AI*
16:45–17:15	Jan Zelinka: *Selfish Genes and Evolutionary Computation*
17:15–17:30	closing ceremony

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INVESTMENTS IN EDUCATION DEVELOPMENT