BIOMICS - 3rd Workshop Agenda

08-09 February 2016, University of Passau, Germany

Monday, 2016-02-08 (WiWi 027)		
9:30	J. Posegga, D. Schreckling	Welcome
9:45	P. Dini, A. Munro	BIOMICS and Physics & Biology
10:00	G. Horvath	BIOMICS and Mathematics
10:15	C. Nehaniv	BIOMICS and Automata
10:30	D. Schreckling	BIOMICS and Specifications
10:45		Coffee Break (for workshop participants)
Session: Physics and Biology (Chair: Paolo Dini)		
11:15	P. Dini, A. Munro	Equilibrium, the Balance of Nature Fallacy, and Dynamical Stability
11:50	P. Dini, Á. Bonivart, C. L. Nehaniv	Dynamical Stability, Hamilton-Jacobi Theory, and the Quasi-Potential
12:40		Lunch
14:10	Z. Konkoli	On Modelling Stochastic Reaction Kinetics: The XARNES Method
Session: Mathematics and Automata (Chairs: Chrystopher L. Nehaniv and Gabor Horvath)		
15:10	T. Milkovszki	Lie Symmetry Analysis of the Equation $u''=f_0(u)+f_1(u)u'$
16:00		Coffee Break (for workshop participants)
16:30	Z. Muzsnay	Degree of Freedom of Metrics for Second Order Ordinary Differential Equations
17:20	Á. Figula	How we can find differential equations having a given group as their symmetries
19:00		Dinner - Goldenes Schiff (for workshop participants)

Tuesday, 2016-02-09 (WiWi 027)		
9:30	K. Podoski	The Maximal Deffect - k-Subgroups of Semigroups of Graphs and Digraphs
10:20	F. Karimi, C. L. Nehaniv	Coupling as Colimit
11:10		Coffee Break (for workshop participants)
Session: Automata and Specifications (Chair: Daniel Schreckling)		
11:40	E. Börger	How to Avoid Petri Net Ideosyncrasies When Modeling Computational Systems
13:10		Lunch
14:40	A. Raschke	CoreASM - An Adaptable Execution Engine for Fomal Specification
15:30	E. Rothstein, D. Schreckling	BSL: A CoreASM Modification for the BIOMICS Project
16:15		Coffee Break (for workshop participants)
16:45	C. L. Nehaniv, E. Rothstein, D. Schreckling	LIFE: Load-Balancing Inspired by Filament StructurEs
18:25		Guided Tour
19:55		Dinner - Rastkeller (for workshop participants)