

AMAM 2013 Conference Schedule

	Monday 11th	Tuesday 12th	Wednesday 13th	Thursday 14th
08:00 -	Conference registration in the Lichtenberghaus			
09:00 - 09:30	Opening Talk Neural Control of Force: A New Perspective (Carlo J. DeLuca)	Keynote 2 Toward highly dynamic locomotion: design challenges in MIT cheetah robot (Sangbae Kim)	Tandem 2 Role of Passive Properties in Producing Adaptive Motion in Robotic and Biological Systems (Manny Azizi & Dai Owaki)	Keynote 3 Emergence of social adaptability in Insects (Hitoshi Aonuma)
09:30 - 10:00				
10:00 - 10:30	Coffee	Coffee		Coffee
10:30 - 11:00	Self-stable bounding with a flexed torso (Qu Cao)	Running across visible and non-visible changes in ground level (Reinhard Blickhan)	Coffee	A Novel Design Approach and Operational Strategy for an Active Ankle-Foot Prosthesis (Sabine Böker)
11:00 - 11:30	Maximizing the energy efficiency of the robot hopping (Xiaoxiang Yu)	Stride-to-Stride vs. Step-to-Step Return Maps for Human Running (Manu Madhav)	Tutorial Hybrid Zero Dynamics (Ioannis Poulakakis)	Poppy: A new bio-inspired humanoid robot platform (Matthieu Lampeyre)
11:30 - 12:00	Human leg adjustment in perturbed hopping (Maziar A. Sharbafi)	The contribution of kinematic synergy on feedback control of human walking (Tetsuro Funato)		A Compliant Lightweight Universal Joint Cascadable to a Multi-Joint Kinematics (Ivo Boblan)
12:00 - 12:30	Lunch	Lunch		Lunch
12:30 - 13:00				
13:00 - 13:30				
13:30 - 14:00	Keynote 1 Moving Softly: Locomotion Strategies for Deformable Animals and Robots (Barry Trimmer)	Locomorph A Introduction to Locomorph (Helmut Hauser) Obtaining experimental data from animal experiments (Kris D'Août) Towards bridging the gap between conceptual models and real-world locomotion (Andre Seyfarth) Robots as Models (Kasper Støy)		MYOROBOTICS: a modular toolkit for legged locomotion research using musculoskeletal designs (Hugo G. Marques)
14:00 - 14:30				Dynamic Locomotion with StarETH (Marco Hutter)
14:30 - 15:00	Poster 1		Labtour / Social Event	Poster 3
15:00 - 15:30	Coffee	Poster 2		Coffee
15:30 - 16:00	Tandem 1 Unraveling unrestrained locomotion: 1) natural statistics of steps and patterns and 2) system identification of feedback control (Noah Cowen & Volker Dörr)	Coffee		Human underwater undulatory swimming: flow characteristics around a human swimmer, technical swimmer model, and numerical model (Stefan Hochstein)
16:00 - 16:30		Locomorph B From models to real robots (Helmut Hauser, Jamil Jivraj) From Robot Morphology to Locomotion Control and Learning Strategies (Soha Pouya)		Humans adapt to a changed arm dynamics always in the same manner - whether visual feedback is given or not (Karl Kalveram)
16:30 - 17:00				Tandem 3 / Closing Talk Leg design and control for stable locomotion (Koh Hosoda & Monica Daley)
17:00 - 17:30	Tutorial LocoKit - robotic construction kit for legged locomotion (Jørgen Larsen)	Hardware Demo		Awards (Poster&Talk)
17:30 - 18:00				
18:00 - 18:30				
18:30 - 20:00			Public Lecture Orchestrating Movement through Complex Terrain: Interactions between Brains and local Neural Circuits (Roy Ritzmann)	
			Bus transfer to Conference Dinner	
20:15 - 00:00			Conference Dinner	

yellow = keynote talks / opening talk / public lecture

green = talks

brown = tutorial

purple = tandem talks / closing talk