

**DAY 1** (Friday July 22)

08:30 – 09:00	<b>Registration</b>	
09:00 – 09:15	<b>Introduction : Hideki Kozima and Luc Berthouze</b>	
09:15 – 10:15	<b>Invited Talk : Masahiro Fujita (Sony Intelligent Dynamics Laboratory)</b>	
10:15 – 10:45	<b>Morning Break</b>	
10:45 – 12:00	<b>*Poster Spotlight (13 posters)</b>	
12:00 – 13:30	<b>Lunch (Buffet) + Poster / Demo session</b>	
13:30 – 15:35	<b>Imitation Session</b>	
13:30	<b>Invited Talk</b>	
14:30	<b>Demiris Dearden</b>	“From motor babbling to hierarchical learning by imitation: a robot developmental pathway”
15:10	<b>Andry Gaussier Nadel</b>	“Autonomous learning and reproduction of complex sequences: a multimodal architecture for bootstrapping imitation games”
15:35 – 16:05	<b>Afternoon Break</b>	
16:05 – 18:15	<b>Perception/Action Session</b>	
16:05	<b>Edsinger-Gonzales</b>	“Developmentally guided ego-exo force discrimination for a humanoid robot”
16:45	<b>Torres-Jara Natale Fitzpatrick</b>	“Tapping into touch”
17:25	<b>Olsson Nehaniv Polani</b>	“Discovering motion flow by temporal-informational correlations in sensors”
17:50	<b>Kulakov Stojanov</b>	“Modeling cortical plasticity in natural sensory systems”
19:00 – 21:00	<b>Workshop Dinner</b>	

## DAY 2 (Saturday July 23)

09:00 – 10:40	<b>Motor Session</b>	
9:00	<b>Invited Talk : Eugene C. Goldfield (Children's Hospital Boston)</b>	
10:00	<b>Sun Scassellati</b>	“Solving the degrees-of-freedom problem in learning reaching”
10:40 – 11:10	<b>Morning Break</b>	
11:10 – 12:30	<b>Motor Session</b>	
11:10	<b>Veskos Demiris</b>	“Developmental acquisition of entrainment skills in robot swinging using van der Pol oscillators”
11:50	<b>Konczak</b>	“On the notion of motor primitives in humans and robots”
12:30 – 13:30	<b>Lunch</b>	
13:30 – 15:10	<b>Cognitive Development Session</b>	
13:30	<b>Invited Talk : Annette Karmiloff-Smith (UC London)</b>	
14:30	<b>Balkenius Johansson</b>	“Event prediction and object motion estimation in the development of visual attention”
15:10 – 15:40	<b>Afternoon Break</b>	
15:40 – 16:45	<b>Language Session</b>	
15:40	<b>Lacerda, Klintfors Gustavsson Marklund, Sundberg</b>	“Emerging linguistic functions in early infancy”
16:20	<b>Clowes Morse</b>	“Scaffolding cognition with words”
16:45 – 18:00	<b>Cognitive Modeling Session</b>	
16:45	<b>Vitay</b>	“Towards teaching a robot to count objects”
17:10	<b>vanDartel Postma</b>	”Symbol manipulation by internal simulation of perception and behaviour”
17:35	<b>Huang Weng</b>	“Covert perceptual capability development using reinforcement learning”
<b>Dinner on your own</b>		

**DAY 3** (Sunday July 24)

9:00 – 10:40	<b>Social Interaction Session</b>	
9:00	<b>Invited Talk : Brian Scassellati (Yale University)</b>	
10:00	<b>Blanchard Canamero</b>	“From imprinting to adaptation: building a history of affective interaction”
10:40 – 11:10	<b>Morning Break</b>	
11:10 – 12:15	<b>Issues in Epigenetic Robotics Session</b>	
11:10	<b>Prince Helder Hollich</b>	“Ongoing emergence: A core concept in epigenetic robotics”
11:50	<b>Metta Vernon Sandini</b>	“The RobotCub approach to the development of cognition”
12:15 – 12:20	<b>Closing</b>	
12:30 – 13:30	<b>Business Meeting (over lunch)</b>	
14:00 – 16:00	<b>Optional tour : Walking to Todaiji</b>	

\*Invited Talk (1hr) / Long Paper(40min.) / Short Paper(25min.), including discussion time

**\*POSTERS(13) (DAY 1/12:00-13:30)**

· A formal approach of developmental robotics and psychology: application to the study of joint attention architecture

**Prepin, Gaussier, Revel and Nadel**

· Robot gesture generation from environmental sounds using inter-modality mapping

**Hattori, Kozima, Komatani, Ogata and Okuno**

· Integrating ART into a scalable cognitive architecture

**Kulakov and Stojanov**

· Out in the world: What did the robot hear and see?

**Aryananda**

· Robot self-characterization of experience using trajectories in sensory-motor phase space

**Mirza, Nehaniv, Boekhorst and Dautenhahn**

· How can robots facilitate social interaction of children with autism?

**Miyamoto, Lee, Fujii and Okada**

· What is Animacy in Dynamical Movement?

**Kuwamura, Yamamoto and Hashimoto**

· The role for context in motor development in autism

**Bjorne and Balkenius**

· Segmentation Stability: A key component for joint attention

**Baillie and Nottale**

· Joint attention in the first year: The coordination of gaze and affect between 7 and 10 months of age

**Stahl and Striano**

· Biologically inspired fluidically driven robots

**Schulz, Pylatiuk, Kargov, Oberle, Klosek, Werner and Bretthauer**

· Speeding up Learning with Dynamic Environment Shaping in Evolutionary Robotics

**Bredeche and Hugue**

· A Platform for Education in 'Interaction Design for Adaptive Robots

**Oka and Ozaki**