10TH JOINT IEEE

INTERNATIONAL CONFERENCE

ON DEVELOPMENT AND LEARNING AND EPIGENETIC ROBOTICS 2020

Valparaíso Chile

SUBMISSIONS UNTIL **JUNE** 21th / 2020

CONFERENCE OCTOBER 28th to 30th / 2020

ICDL-EpiRob is a unique conference gathering researchers from computer science, robotics, psychology and developmental studies to share knowledge and research on how humans and animals develop sensing, reasoning and actions.

CALL FOR CONTRIBUTIONS

Accepted papers will be included in the conference proceedings and will be selected for either an oral presentation or a featured poster presentation.

REGULAR PAPER [6p]

EXTENDED ABSTRACT [2p]

To encourage discussion of late-breaking results, we will accept two-page extended abstracts, including references. These submissions will NOT be included in the conference proceedings.

TOPICS OF INTEREST

The list includes, but is not limited to:

– principles and theories of development and learning;
– development of skills in biological systems and robots;
– nature vs nurture, developmental stages;
– models on the contributions of interaction to learning;
– non-verbal and multi-modal interaction;
– models on active learning;
– architectures for lifelong learning;
– emergence of body and affordance perception;

– analysis and modelling of human motion and state;
– models for prediction, planning and problem solving;
– models of human-human and human-robot interaction;
– emergence of verbal and non-verbal communication;
– epistemological foundations and philosophical issues;
– robot prototyping of human and animal skills;
– ethics and trust in computational intelligence and robotics;
– social learning in humans, animals, and robots.

TUTORIALS AND WORKSHOPS

We invite experts in different areas to organize either a tutorial or a workshop. The goal of the workshops is to provide an informal forum for researchers to discuss emerging research questions and challenges. Tutorials will provide insights into specific topics through hands-on training and interactive experiences.

Workshop organizers have several responsibilities, including coordinating workshop participation and content, publicizing and providing the program on time and moderating the program throughout the workshop. ICDL-EpiRob will support the organization with rooms, audio-visual equipment, coffee breaks and poster boards

IMPORTANT DATES

Regular Paper
Paper Submission   – 21th June 2020
Author Notification – 13th July 2020

Extended Abstract
Abstract Submission – 26th July 2020
Author Notification   – 9th August 2020

Workshops
Proposals   – 29th January 2020
Notification – 15th February 2020

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