



10 TH JOINT IEEE

# INTERNATIONAL CONFERENCE

ON DEVELOPMENT AND LEARNING AND EPIGENETIC ROBOTICS 2020



Valparaíso Chile

SUBMISSIONS UNTIL MARCH 15th / 2020

CONFERENCE SEPTEMBER 7th to 10th / 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]

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.

EXTENDED ABSTRACT [2p]

## 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 - 15th March 2020  
Author Notification - 15th May 2020

### Extended Abstract

Abstract Submission - 31th May 2020  
Author Notification - 26th June 2020

### Workshops

Proposals - 15th January 2020  
Notification - 15th February 202

## SPONSORED BY



For more information visit <https://cdstc.gitlab.io/icdl-epirob-2020/>