

WEROB 2012 – Workshop on Educational Robotics

Program

(an event co-located with the RoboCup Symposium 2012)

- 09:00 hrs. **1st Keynote of the RoboCup Symposium**
Martial Hebert – Object Recognition and Modeling in daily living environments"
-
- 10:00 hrs. WEROB – Opening and welcome
Workshop Chairs: Luis Almeida & Amy Eguchi
-
- 10:05 hrs. Keynote: Children learning robotics easily
Fernando Ribeiro, Nino Pereira, José Cruz, Gil Lopes
University of Minho, Guimarães, Portugal
-
- 11:00 hrs. **Coffe break**
-
- Session 1 **Educational Initiatives**
-
- 11:20 hrs. First National Robotics Competition in Public High Schools to Promote Innovation and Technological Education
Diana Matarrita, Jorge Lopez
Robotics and Learning by Design Program, Costa Rica
-
- 11:35 hrs. NERA – A Center for Research on Educational Robotics and Automation
Felipe N. Martins, Hudson Cassio G. Oliveira, and Eduardo Max Amaral
Federal Institute of Education, Science and Technology of Espirito Santo, Brazil
-
- Session 2 **Teams Experiences**
-
- 11:50 hrs. Design and Implementation of an Android-Based Omnidirectional Robot for the RoboCup Junior Rescue B Competition
André S. Oliveira, Gabriel Lima Guimarães, Ivan Seidel Gomes, Matheus P. Canejo da Cunha, Felipe N. Martins, Hudson Cassio G. Oliveira
Federal Institute of Education, Science and Technology of Espirito Santo, Brazil
-
- 12:05 hrs. Software and Hardware Achievements of RoboTec I in Junior Rescue A Secondary
Edgar Sucar, Jose Ortiz, and Raul Badillo
ITESM Campus Puebla, Mexico
-
- 12:20 hrs. Rescue A, B to CoSpace: Our RoboCupJunior Rescue Experience
Mika Chikuma, Yoshiyuki Chikuma
Chiba Institute of Technology (Department of Architecture and Civil Engineering), Tokyo City University Junior and Senior High School, Japan

WEROB 2012 – Workshop on Educational Robotics

Program

(an event co-located with the RoboCup Symposium 2012)

- 12:40 hrs. Lunch break
- 14:00 hrs. **2nd Keynote of the RoboCup Symposium**
Edwin Olson – Multi-Robot Autonomy and the MAGIC Competition
-
- Session 3 Issues and challenges in RoboCupJunior
-
- 15:00 hrs. Towards Junior @Home, a new challenge
Maja Rudinac, Peter van Lith
Technical University of Delft and Lithp Systems bv, The Netherlands
-
- 15:15 hrs. Panel on issues and challenges with RoboCupJunior competitions
Representatives of TCs and OCs of the respective leagues
- 15:50 hrs. Coffe break
- Session 4 Hands-on session
-
- 16:10 hrs. Hands-on Session: Dive into CoSpace Educational Robotics
Shen Jiayao, Zhou Changjiu
Singapore Polytechnic, Singapore
-
- 17:40 hrs. Wrap up and closing
Workshop Chairs: Luis Almeida & Amy Eguchi