

Robotix Week Łódź 2013

date	17.09.2013	18.09.2013	Thursday 19.09.2013	Friday 20.09.2013	21.09.2013	22.09.2013
	Visegrad Robotics Workshop E101		Conference on Robotics in Education 2013 Conference Hall + E6		Robotour Competitions Park E6	
time	Micromouse I	LabVIEW Robotics I	opening ceremony	plenary session III Prof. Edward Jezierski	Warm up	Robotour Workshop
9:00						
9:20						
9:40			plenary session I Prof. Andrea Bonarini	plenary session IV Kuka Roboter	Robotour round I	
10:00				coffee break		
10:20	coffee break	coffee break	coffee break	plenary session V NAO robots		
10:40	Micromouse II	LabVIEW Robotics II	plenary session II National Instruments	session D	Robotour round II	
11:00			session A			
11:20				session E	Robotour round III	
11:40						
12:00						
12:20	lunch Boutique	lunch Boutique	lunch Conference Hall	lunch Conference Hall	Robotour round IV	
12:40						
13:00						
13:20	Micromouse III	LabVIEW Robotics III	session B	session F	Awards	
13:40			session C	session G		
14:00						
14:20						
14:40						
15:00			coffee break			
15:20			city tour	closing ceremony		
15:40				coffee break		
16:00					Robotour open tryouts	
16:20						
16:40						
17:00	dinner Sherlock Pub	dinner Galicja				
17:20						
17:40						
18:00						
18:20						
19:20			Conference dinner White Factory	Get together party Index Pub		

Conference Hall, E101, E6 – Stefanowskiego 18/22, building A12

Sherlock Holmes Pub – Piotrkowska 56

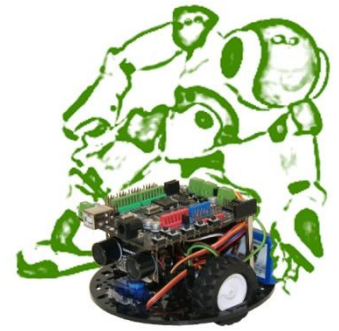
Galicja Restaurant – Manufaktura Market Square

White Factory – Art Deco restaurant, Piotrkowska 282

Index Pub – Stefanowskiego 17 entrance from Radwańska str.

RiE 2013

4th International Conference on Robotics in Education



Thursday 19.09.2013

Plenary Session I

9:40	Andrea Bonarini	Robotics and Design: interdisciplinary courses	Italy	001_P1
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Plenary Session II

11:00	Maciej Antonik	From Robotics Theory to Practice: Graphical System Design with NI LabVIEW	Poland	002_P2
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A Robotics in primary curriculum

Chair: **Andrea Bonarini, Italy**

11:40	Dave Catlin	A Day in the Life of an Educational Robot	England	003_A1
12:00	Mícheál Ó Dúill	Robotics when I want my two front teeth: Issues around the core curriculum of primary	Bulgaria	004_A2
12:20	Jarosław Kotliński and Grzegorz Troszynski	Will robots take over Polish gymnasiums?	Poland	005_A3
12:40	Dorit Assaf	Building a Rube Goldberg Machine using Robotic Toolkits.	Switzerland	006_A4

B Robotics at university

Chair: **David Obdržálek, Czech Republic**

14:00	Cem Avsar, Walter Frese, Thomas Meschede and Klaus Briß	Developing a Planetary Rover with Students: Space Education at TU Berlin	Germany	007_B1
14:20	Nelson David Munoz, Jaime Valencia and Alessa Alvarez	Simulation and Assessment Educational Framework for Mobile Robot Algorithms	Colombia	008_B2
14:40	Nelson David Munoz, Jaime Valencia and Alessa Alvarez	Suggestions for the assessment of navigation algorithms in educational robotics.	Colombia	009_B3

C New methods of teaching robotics at schools

Chair: **Dorothy Langley, Israel**

15:00	Martin Kandlhofer, Gerald Steinbauer, Sabine Hirschmugl-Gaisch and Johann Eck	A cross-generational robotics project day: Pre-school children, pupils and grandparents learn together	Austria	010_C1
15:20	Amy Eguchi	Educational Robotics for Promoting 21st Century Skills	USA	011_C2
15:40	Dorothy Langley, Yair Zadok and Rami Arieli	Exploring Spatial Relationships: A Strategy for Guiding Technological Problem Solving	Israel	012_C3

Friday 20.09.2013

Plenary Session III				
9:00	Edward Jezierski	The balance between mechanical, electrical/electronic and control aspects in robotics education	Poland	013_P3
Plenary Session IV				
9:40	Janusz Jakieła	KUKA Education Bundle: Know-how for future professionals	Poland	014_P4
Plenary Session V				
10:40	Damian Derebecki	NAO robot in Education	Poland	015_P5
D	General robotic education		Chair: Edward Jezierski, Poland	
11:20	Daniel López and Martha Ivón Cárdenas	Programming in the Real World: Initiation and Motivating Challenges of Entrepreneurship	Spain	016_D1
11:40	Reinhard Gerndt, Ina Schiering and Jens Lüsse	Elements of Scrum in a Students Robotics Project - A Case Study	Germany	017_D2
12:00	Elisa Buselli, Francesca Cecchi, Giacomo Santerini, Pericle Salvini and Paolo Dario	Building a network of schools on Educational Robotics in Tuscany area	Italy	018_D3
E	Educational robotic technologies		Chair: Michele Moro, Italy	
12:20	Thomas Kittenberger, Andreas Ferner and Reinhard Scheikl	A simple computer vision based indoor positioning system for educational micro air vehicles	Austria	019_E1
12:40	Cesar Vandeveld, Jelle Saldien, Maria-Cristina Ciocci and Bram Vanderborgh	Overview of Technologies for Building Robots in the Classroom	Belgium	020_E2
13:00	Witold Pawlowski, Michal Krepski and Slawomir Gabara	Didactic Automated Assembly System	Poland	021_E3
F	Educational Robotic Systems		Chair: Thomas Kittenberger, Austria	
14:20	Yuri Okulovsky, Pavel Abduramanov, Maxim Kropotov and Anton Ryabykh	CVARC: an educational project for a gentle introduction to autonomous robots' control	Russia	022_F1
14:40	Stefano Michieletto, Stefano Ghidoni, Enrico Pagello, Michele Moro and Emanuele Menegatti	Why teach robotics using ROS	Italy	023_F2
15:00	Igor Zubrycki, Grzegorz Granosik	Introducing modern robotics with ROS and Arduino	Poland	024_F3
G	Robotic competitions		Chair: Richard Balogh, Slovakia	
15:20	Wojciech M. Czarnecki, Krzysztof Szarzyński and Andrzej Wójtowicz	Designing a competition for autonomous robots with a restricted set of sensors with a case study of LEGO NXT	Poland	025_G1
15:40	Amy Eguchi and Luis Almeida	RoboCupJunior: Promoting STEM Education with Robotics Competition	USA Portugal	026_G2
16:00	Marco Cigolini, Alessandro Costalunga, Federico Parisi, Marco Patander, Isabella Salsi, Andrea Signifredi, Davide Valeriani, Dario Lodi Rizzini, Stefano Caselli	Lessons Learned in a Ball Fetch-And-Carry Robotic Competition	Italy	027_G3