Enabling the Creation of Intelligent Things

European Driving License for Robots and Intelligent Systems
Educating the next generation in Robotics – filling the pipeline
ERF Workshop on Education I

- Gerald Steinbauer, Graz University of Technology
- Alexander Ferrein, University of Applied Sciences Aachen
  - Paolo Fiorini, University of Verona
- Aydan M. Erkmen, Middle East Technical University
  - Fabio Bonsignorio, Scuola Superiore Sant'Anna
- Martin Kandlhofer, Graz University of Technology
Agenda

• 10:45 - 10:55 welcome, motivation and short introduction
• 10:55 - 11:10 three impulse presentations
  • Thilo Zimmermann, Fraunhofer IPA, Industry View
  • Gerhard K. Kraetzschmar, Hochschule Bonn-Rhein-Sieg, Academia View
  • Gerald Steinbauer, Technische Universität Graz, K-12 View
• 11:10 - 11:15 introduction to the World Café and forming 3-4 groups
• 11:15 - 12:00 World Café with at 3-4 tables (depending on number of workshop participants)
• 12:00 - 12:15 summary and short presentation of each World Café table
• 14:00 Education II - Educational Robotics Tools In Academia and Beyond
World Café

• participants will be assigned to 3 -4 groups
• 3-4 tables
• each table focuses on one of topic
• each table is hosted by one dedicated host
• participants change the tables every 10-15 minutes
• the host reports the results in the final panel
Topics

• Challenges in Robotics Education – K-12, Academia, Industry
  • contents topics, inclusion, formats & settings, pipeline, ...

• Educational Resources
  • curricula, platforms and tools, dissemination, competitions, ...

• Best Practice Examples
  • what works ....

• TG Education
  • goals, activities, expected service, next steps, persons, ...