R5-COP workshop - draft agenda
6 October 2016

09:00   Opening / Key note, overview of the project, Adam Dąbrowski (PIAP)

09:20   Talks, several of which will have demonstrations. 10 to 15 minute sessions are:
- "Towards configuration based design on robotic systems", Tapio Heikkilä (VTT)
- "Modular approach to robot control", Adam Dąbrowski (PIAP)
- "Advanced and experimental human-machine interfaces", Adam Dąbrowski (PIAP)
- "Re-usability vs. usability - Case: Modular field robotics", Matti Tikanmaki (Probot)
- "Case: inspection of wooden parts", Enric Ortega (EMTE)

10:30   Coffee break

11:00   Talks continue:
- "Future of ROS communication: evaluating ROS2/DDS", Rafał Kozik (PIAP)
- "Where is my robot? Indoor localization techniques", Mikel Sanchez Ponte (Tecnalia)
- "Validation, verification and testing: tools and standards", Zoltán Micskei (BME)
- "Modular Link Framework: skilled robotics for mobile platform", Kasper Camillus Jeppesen (DTI)

11:45   Q&A / discussion panel

12:30   Lunch break

13:30   Hands-on and demos on display, discussion and feedback, including:
- Controlling and driving with the PIAP Scout robot, Mateusz Maciaś (PIAP)
- Teleoperation of a field robot in Oulu (via Internet), Matti Tikanmaki (Probot)
- Augmented Reality module, Rafał Kozik (PIAP)
- Immersion module (headgear + mountable dual cameras), Mateusz Maciaś (PIAP)
- iTrolley - a natural language human-robot interface demo, Zoltán Micskei (BME)

15:00   Closing