Faculty of Information Technology
Brno University of Technology
Božetěchova 1/2
612 66 Brno
Czech Republic

Robo@FIT 4th Workshop

Getting started in ROS 2015

❖ BASIC KNOWLEDGE OF ROS USAGE ❖

❖ EXPERIENCE PRACTICAL CASES ❖

❖ ROS USAGE AS A R&D TOOL FOR A ROBOTICS RESEARCH TEAM ❖

This one-day workshop took place on **November 4, 2015** at **RoboLab (O104)**, Faculty of Information Technology, Brno University of Technology. This workshop is supported by research groups at FIT doing R&D in robotic topics and R5-COP project.

Motivation & Objectives

This ***workshop*** provides a hands-on introduction to ROS - Robotic Operating System - and its use for ***several robotic*** platforms. ***ROS*** has been emerging as a standard for robot software development. It is an open-source, meta-operating system that provides hardware abstraction services. It implements low and high level functionality. The ***speakers*** at the workshop are researchers that are currently using ROS for their work. As an ***outcome*** of this workshop, attendees will have a basic knowledge on how to use ROS and have a good insight on how ROS can be used as a software development tool in the context of robotics research team.

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Participation

We would like to invite you to **Getting started in ROS** workshop, whether you are experienced experts or just getting started with robotics. Do not hesitate to contact Víťa Beran (beranv@fit.vutbr.cz) if you have any questions.
The workshop participation is free and is in Czech language (unless stated otherwise).

Prerequisites

- your own laptop,
- installed Ubuntu 14.04 and ROS Indigo distribution
- done ROS tutorials beginner level
- if you plan to attend the workshop, please provide the organizers with you preferences in this form (until October 21st 2015)

Schedule

- 08:30, welcome and getting ready
- 08:45, *"Houston, we got a problem."*
  - solve the real robotic problem from A to Z
- 11:00, lunch
- 12:00, *"hands on"* robotic platforms and/or selected technologies
  - one-big or more-small project realization
- 15:00, break and follow up!
- 18:00, go for robotic-beer

Robotic platforms

			
Ed	**Toad**	**Tyra**	**PR2**