



DeCAIR:

Developing Curricula for Artificial Intelligence and Robotics

Robotics Operating Systems Training Course Report

Course Organization

Module	Content
1	Introduction to the course, OR and ROS installation. Introduction to the environment of development and basic commands for ROS use.
2	2) Structure of C++ and Python programs. Launching programs and programs interconnections: roslaunch, nodes and topics. Use of messages and services.
3	3) Client/Server system. Action protocol, Messages, services and customized actions.
4	4) Application to industrial manipulators. Trajectory planning with ROS.
5	5) Application to mobile robotics. Autonomous navigation with ROS.

Date	Time
Tuesday 2-11-2021	2:00pm till 4:00pm Amman Time
Thursday 4-11-2021	2:00pm till 4:00pm Amman Time
Tuesday 9-11-2021	2:00pm till 4:00pm Amman Time
Wednesday 10-11-2021	2:00pm till 4:00pm Amman Time
Thursday 18-11-2021	2:00pm till 4:00pm Amman Time
Monday 6-12-2021	2:00pm till 4:00pm Amman Time
Tuesday 7-12-2021	2:00pm till 4:00pm Amman Time
Thursday 9-12-2021	2:00pm till 4:00pm Amman Time
Tuesday 14-12-2021	2:00pm till 4:00pm Amman Time
Wednesday 15-12-2021	2:00pm till 4:00pm Amman Time

Instructor Short Bio

Alessandro Settimi Holds a Master and a PhD in Robotics and is the CEO of one of our Spin-offs working in mobile robotics. He has a large experience in Robotics, he was one of the developers of our humanoid software architecture, he has also experience in ROS training courses for both students and companies.

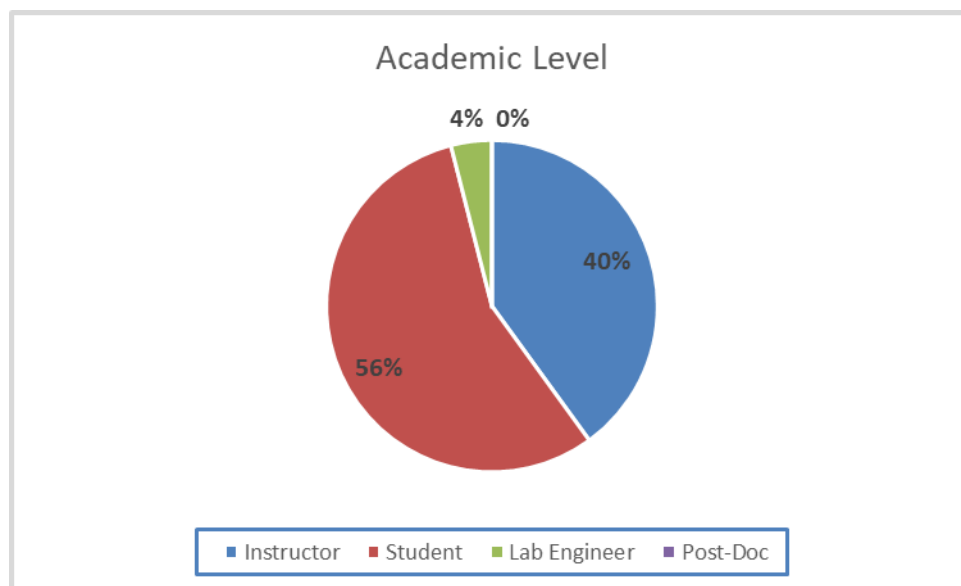
Participants

- The following table shows the distribution of the participants from each participating university.

TTU	14
JU	5
JUST	5
LU	20
Stuttgart	1
Other	6
Total	51

Table 1: Number of participants from each University

- The following pie chart shows the participants in the sessions based on their academic level



Notes

- All the sessions are online and offered through zoom meetings
- The material and the lecture recording are made available to the participants directly after each session
- Certificate of attendance have been issued to the participants.