

## Tentative Agenda - v0.1

Fraunhofer IPA, Nobelstraße 12, 70569 Stuttgart

Mo.-Fr. 04.-08.02. // 01.-05.04. // 24.-28.06. // 23.-27.09. // 18.-22.11.2019

### 1. Day Monday

### Prerequisites

Start	End	Duration	What	Room
09:00	09:15	00:15	Arrival	D6.05
09:15	10:45	01:30	Welcome and System Setup	D6.05
10:45	11:00	00:15	Coffee Break	D6.05
10:45	13:00	02:15	Linux Introduction	D6.05
13:00	14:00	01:00	Lunch Break	D6.05
14:00	15:00	01:00	Shell Basics	D6.05
15:00	15:15	00:15	Coffee Break	D6.05
15:15	17:30	02:15	Python Scripting	D6.05
17:30			End of Course	D6.05

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### 2. Day Tuesday

### ROS Introduction

Start	End	Duration	What	Room
08:30	08:45	00:15	Arrival	D6.05
08:45	10:45	02:00	ROS introduction and Basic Concepts	D6.05
10:45	11:00	00:15	Coffee Break	D6.05
11:00	13:00	02:00	Workshop	D6.05
13:00	14:00	01:00	Lunch Break	D6.05
14:00	16:00	02:00	ROS programming and tools	D6.05
16:00	16:15	00:15	Coffee Break	D6.05
16:15	17:30	01:15	Workshop	D6.05
17:30			End of Course	D6.05

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### 3. Day Wednesday

### Manipulation

Start	End	Duration	What	Room
08:30	08:45	00:15	Arrival	D6.05
08:45	10:30	01:45	Robot Description and Transforms	D6.05
10:30	10:45	00:15	Coffee Break	D6.05
10:45	12:30	01:45	Workshop	D6.05
12:30	13:30	01:00	Lunch Break	D6.05
13:30	14:45	01:15	Manipulation with MoveIt!	D6.05
14:45	15:00	00:15	Coffee Break	D6.05
15:00	17:30	02:30	Workshop	D6.05
17:30			End of Course	D6.05

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### 4. Day Thursday

### Navigation

Start	End	Duration	What	Room
08:30	08:45	00:15	Arrival	D6.05
08:45	10:45	02:00	Localization and Mapping (SLAM)	D6.05
10:45	11:00	00:15	Coffee Break	D6.05
11:00	13:00	02:00	Workshop	D6.05
13:00	14:00	01:00	Lunch Break	D6.05
14:00	15:15	01:15	Navigation with Path Planning	D6.05
15:15	15:30	00:15	Coffee Break	D6.05
15:30	17:30	02:00	Workshop	D6.05
17:30			End of Course	D6.05

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### 5. Day Friday

### Advanced Topics

Start	End	Duration	What	Room
08:30	08:45	00:15	Arrival	D6.05
08:45	10:45	02:00	Statemachine-based Programming Tools	D6.05
10:45	11:00	00:15	Coffee Break	D6.05
11:00	12:30	01:30	Workshop	D6.05
12:30	13:30	01:00	Lunch Break	D6.05
13:30	15:15	01:45	Best Practices from Development to Release ROSIN SW-Quality measures	D6.05
15:15	15:30	00:15	Coffee Break	D6.05
15:30	17:30	02:00	Workshop	D6.05
17:30			End of Course	D6.05