

Assignment 3

Goal

Conferences are a great place to literally browse through the state of the research and conveniently get an overview on what the hot topics in the community are. In this assignment, we want to explore the huge field of robotics research starting from localization over various learning, planning, and control aspects, over semantic scene understanding, and so on and so forth...

The *Robotics Science and Systems* (RSS) is one of the top-tier robotics conferences worldwide. The goal of this assignment is to explore this year's (hybrid) conference together and create a "Best of RSS"-Overview based on our class' favorite papers.

Note: Often, plenaries and keynote talks are easier to understand as they target the full conference audience and are, thus, more high-level than the technical paper presentations.

Task

1. Check out this year's RSS online. Links: [videos](#), [papers](#), and [website](#).
2. Browse through plenaries, keynote talks and technical paper presentations.
3. Find your favorite presentation/paper.
4. Prepare a single (!) *digest* slide for your favorite paper. The slide should include the goal/addressed research gap of the paper, the key approach/the authors' contribution and why *you* find this particular paper interesting/cool. For preparing this slide, use the slide template provided via Slack. We have uploaded an example digest slide for your reference in Slack, too. Do not forget to include the paper title and the corresponding session on your slide so we, and your fellow students can find your favorite paper at RSS.
5. (To be done in a lecture session) Give a quick < 1 minute intro to your favorite paper for your fellow students (What is it about? Why did you choose it?). For this, we will prepare a presentation consisting of all of your submissions.

Submission

1. The name of your submission has to follow the format: `assignment3_familynname.ppt`. If you do not have PowerPoint, upload a `*.pdf` file. Each student is required to submit their own digest slide.
2. Submit your digest slide via Slack.

Deadline: 22.01.2024, 23:59 CET