

Industrial Robots in Industry 4.0 Environments

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(Preferred) Teaching time	Morning / Afternoon No preferences

Course Description:

In the actual pandemic situation the real world value is even more connected with robotics related technologies enterprises. In this context you may rise your expertise and global overview beyond the “robotics folklore”. By common and team works we may develop an intuitive „Mental Robotik MaLandkarte“, as a skill in your future activities or hobbies;

Materials/Text:

The lecturing and Lab support will be provided in electronic form. Additional, the Book or book chapters may be bought voluntarily, from the SPRINGER web page by individuals, at student discount.
<https://www.springer.com/gp/book/9783030564476>

Requirements:

Formal: None. General: Basic knowledge of mathematics, physics, mechanics; management and economic will not hurt.

Schedule:

The schedule is according to the ISS Academic Program offering a 45 teaching hours in modules of 3 hours that combines the Lecturing with Practical exercises and case studies that will lead to Team Projects and Student presentations. The necessary effort to finalize is scheduled for the 3 credits considered/ course.

Assignments:

The activity is planned without individual study. The assignment is to work in a team and together with the team colleagues to finalize a project that will be present in the form of friendly competition with the other teams.

Evaluation:

The Evaluation is based on 3 components:

- The presence and the continuous implications of the student in the Project elaboration (25%);
- Appreciation of the project results (50%);
- Project presentation (25%).

The final result will be expressed in % (0 ÷ 100), and then in the provided grading scale.