ROBO CAMP

SUMMER SCHOOL

JULY 15–28 | 2017
RIGA | LATVIA

Course information

What:	Robot – from project to real robot
Where:	Riga Technical University, Riga, Latvia
When:	July 15–28, 2017
How long:	2 weeks
Who:	Participants must be enrolled in a degree related to project management, design, mechanics, electronics or programming
How much:	550 EUR (including lectures 36 hours, practical classes 62 hours, course materials)
The outcome:	RTU certificate, 4.5 ECTS and real robot

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In case any questions regarding registration and organisational issues occur, contact:

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Nowadays, world cannot be conceived without human and robot (artificial intelligence) frequent interaction. Almost every object or service in some way is connected with robotics and we are accustomed to robots so much that we do not even realize this fact anymore. The 21st century invention becomes our everyday life. Robots are nothing extraordinary – they take a big part in our lives. In fact, they are everywhere: at our home, workplace, school, shops, cafes and even in our pockets. And have you ever considered that robots are assigned for more complicated and responsible duties?

If you crave to understand robots, their potential and capacity and if you dare to build one of them your own –

you are welcome to join RTU ROBO CAMP!

THE ROBO CAMP will involve academic classes, practical group work, organisation visits, cultural and leisure activities.

The course aim is to show students all the way from idea to real, tangible result with final outcome – functional robot.

Learning outcomes:

- Practical and theoretical knowledge involvement in the field of robotics.
- Tangible robot creation – from project up to real functional result.
- Knowledge improvement of project management in the field of electronics.
- Comprehension and skill acquirement with 3D design modelling software.

ROBO CAMP is a place where experience, knowledge and interesting people meet each other to put their ideas together and, of course, fulfil it.

It is necessary to remind that RTU ROBO CAMP is awaiting students from project management and design, because before and after robot creation process there always is a great amount of tasks and obligations to be done. No product can be generated (produced) without: exploring the needs of consumer, idea of robot itself, design and marketing.

Week 1

Introduction week, project management, fundamental and potential design courses, prototype development and presentation + design pitch, working on robot design

Week 2

Robot constructing week concordant to student's robot technical draft and 3D design. Final Project presentation week. Unfinished jobs and last corrections can be done