Part-Time/ Internship: Mechanical/ Mechatronics/ Robotics Engineer

Availability: From Aug 2016 and onwards
Contact: Arjun (arjun@tum-create.edu.sg)
Location: TUM CREATE, Singapore
Duration: Min 3 month internship (min 5 months if overseas candidate) or min 16hrs per week for part time

Background

We have open positions in the area of robotics, mechatronics, and mechanical engineering. The focus will be on integration and some development of hardware for robotic automation projects.

Objective & tasks

The following are areas of interest for us:

Mechanical / Mechatronics / Robotics Engineering:
- Mechanical design, construction and testing of actuation systems, structures & gripping mechanisms
- Prototyping and testing of robotic end effectors for material handling/manipulation
- Integration of hardware: actuators, controllers, drives, motors
- Construction and integration of actual working systems

Requirements

- Candidates should at least be pursuing Bachelor’s degree in mechanical engineering, mechatronics, robotics or other relevant fields
- Knowledge in applied mechanics & engineering
- Experience prototyping & testing mechanical components
- Ability to do design calculations & read technical documentation
- Experience with SolidWorks/CATIA, ANSYS or other CAD/CAM tools
- Familiarity with Matlab, Simulink, PLC & control theory will be good but not essential
- Ability to work independently

What we offer you

- An international and multidisciplinary working environment
- Opportunity to work on a project with real-life relevance and state of the art robotic systems

Send your resume/CV to the contact person if interested

NOTE: Only shortlisted candidates will be contacted

ABOUT TUM CREATE

TUM CREATE innovates. We are developing cutting-edge electric vehicle technologies and pioneering future transportation concepts for meeting the growing transport and sustainability challenges in fast-growing tropical megacities. Germany’s Technische Universität München (TUM) and Singapore’s Nanyang Technological University (NTU) — two world-leading engineering universities — have come together to collaborate on this ambitious joint research programme. It is funded by Singapore’s National Research Foundation.