

## 2020 S1S2 Dept. of Engineering Common Courses

# Creative Engineering Project for Undergraduate I・III

I ▶ Undergraduate B3 S1S2:FEN-CO4901P2

III ▶ Undergraduate B4 S1S2:FEN-CO4903P2

# Creative Engineering Project I

Graduate: 3799-024

### Vintage Car Renewal Project

Masayuki Nakao・Kohei Kusaka

Installing electronic controlled fuel injection system to 1939 Rolls Royce Phantom III V12 engine, we restore the machine as a new one.

Kohei Kusaka  
kusaka@mech.t.u-tokyo.ac.jp

### UT Drone Project

Takeshi Tsuchiya  
Yoshichika Sakamoto

Create new business plans and educational programs utilizing drone. Visit elementary and junior high schools to offer classes.

Takeshi Tsuchiya  
tsuchiya@mail.eecc.u-tokyo.ac.jp

### International Historic Car Rally Project

Masayuki Nakao・Kohei Kusaka

Restore an old car, modify the car for historic car rally and enter an international historic car rally to finish it. You can get not only Monodukuri experience but also international experience from this project.

Kohei Kusaka  
kusaka@mech.t.u-tokyo.ac.jp

### Robot Contest Project

Yasuo Kuniyoshi  
Satoshi Nishikawa  
Kohei Kusaka

Learn how to build a robot system designed for an optimal strategy. The goal of this project is to be a winner in the NHK (ABU) Robot Contest.

Satoshi Nishikawa  
creative\_robot@isi.imi.u-tokyo.ac.jp

### International Internship

Hironori Kato

Enhance practical expertise and international-communication ability through technical experience of international internship.

Hironori Kato  
kato@civil.t.u-tokyo.ac.jp

### NEW International Satellite Design Project

Shuichi Rokugawa・Matt Richardson

Participate in the Satellite Design Contest and get hands-on experience in spacecraft design, systems engineering and international teamwork!

Matt Richardson  
richardson@cce.t.u-tokyo.ac.jp

### NEW Startup Workshop(Hongo)

Keisuke Nagato・Yuki Sugie

Join the ideation-workshop with Komaba Students and Tokyo University of the Arts Student which aim to find rough idea and teammate. This program is the part of Sony-UT social collaboration course.

Yuki Sugie  
yuki.sugie@ignite-your-ambition.com

### Flying Robot Project

Takeshi Tsuchiya

Design, build and fly a Flying robot for the Student Indoor Flying Robot Contest.

Takeshi Tsuchiya  
tsuchiya@mail.eecc.u-tokyo.ac.jp

### EV Project

Masayuki Nakao  
Kohei Kusaka

Entering EV race, you know as much about characteristics of Electric Vehicles and tune it. We will use Tesla model S as a racing car for this season, and will choose next machine.

Kohei Kusaka  
kusaka@mech.t.u-tokyo.ac.jp

### Student Formula Project

Masayuki Nakao・Kohei Kusaka

You will plan, design, manufacture and test a formula racing car to enter "Student Formula SAE Competition of Japan". Not only manufacture a racing car, you will manage a virtual company.

Kohei Kusaka  
kusaka@mech.t.u-tokyo.ac.jp

### UT Challengers Guild

Akira Hirose・Koji Nagatsuna

UT challengers Guild is a group of people who wish to design, create, and develop something new. You will be able to work with professional with various business/technical background. If you have any business idea, please bring it over. Let's work together to materialize it.

Koji Nagatsuna  
t-ngtne@g.ecc.u-tokyo.ac.jp

### International Aviation System

Hiroko Nakamura・Jorg Entzinger

International Project Based Learning about Aviation Business cooperating with Boeing.

Hiroko Nakamura  
utcair@gmail.com

### A1A2 Challenge the world with your research

Shuichi Rokugawa・Chie Sato

With your own research topic, you practically develop a global scenario to create a new value for Smart City. What impact can you make there!?

Chie Sato  
sato@biztech-inc.co.jp

Please use the following QR code to access the content of each project.



Or check the URL below.

<http://iiee.t.u-tokyo.ac.jp/InnovSoc/news/20200402.html>

The content of each project will be available after April 2.



Center for Project-Oriented Engineering Education,  
Institute for innovation in International Engineering Education,  
The University of Tokyo  
Tel: 03-5841-1645  
E-mail: kawanaka@cce.t.u-tokyo.ac.jp (Takaaki Kawanaka)