

# Creative Engineering Project for Undergraduate I・II

I ▶ Undergraduate B3 S1S2: FEN-CO4904P2

III ▶ Undergraduate B4 S1S2: FEN-CO4906P2

# Creative Engineering Project I

Graduate: 3799-024

**Notice:  
Change in Credit  
Allocation**

■ Creative Engineering Project for Undergraduate I (FEN-CO4904P2) ■ Creative Engineering Project for Undergraduate II (FEN-CO4905P2)  
 ■ Creative Engineering Project for Undergraduate III (FEN-CO4906P2)  
 The number of credits awarded for the above subjects will be increased from 1.5 to 2 for students matriculating in 2021.  
 However, please note that credits earned for these subjects will be awarded based on the handbook for your academic year.  
 For example: students who matriculated in 2020 or earlier and take these courses for credit will still earn 1.5 credits.

**NEW**

## Automobile Safety Technology Project

Masayuki Nakao・Takuma Ito

Develop novel safety systems to prevent traffic accidents by utilizing cutting-edge technologies such as AI, IoT and VR.

Takuma Ito

ito.t@hnl.t.u-tokyo.ac.jp

**NEW**

## Artificial Intelligence Application Project

Yutaka Matsuo・Yusuke Iwasawa

This project aims to develop cutting-edge AI-software to control human support robots with the global competition (World Robot Summit) as a theme.

Yusuke Iwasawa

iwasawa@weblab.t.u-tokyo.ac.jp

## Global Co-creation Expedition

Yoshiaki Nakano・Chie Sato

In this project you participate in an expedition to global co-creation scenes both in Japan and abroad, to obtain new insights for your future career, through a series of dialogues with various governmental and third-party experts.

Chie Sato

sato@biztech-inc.co.jp

## UT innovators' Guild

Akira Hirose・Koji Nagatsuna

UT innovators' 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-ngtna@g.ecc.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

## UT Drone Project

Takeshi Tsuchiya・Yoshichika Sakamoto

Learn the current state of drone and create new business plans utilizing drone.

Takeshi Tsuchiya

tsuchiya@mail.ecc.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.

草加浩平

kusaka@mech.t.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

## Robot Contest Project

Yasuo Kuniyoshi・Ryuma Niiyama・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.

Ryuma Niiyama

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

## Autonomous Driving Project

Masayuki Nakao・Takuma Ito

Develop various autonomous driving functions by installing sensors and calculators to electric golf carts.

Takuma Ito

ito.t@hnl.t.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

## Startup Training(Hongo)

Keisuke Nagato・Yuki Sugie

Join the startup training with Komaba Students and Tokyo University of the Arts Students. This program is the part of Sony-UT social collaboration course.

Yuki Sugie

yuki.sugie@ignite-your-ambition.com

**Online Using Zoom** Please check the Zoom URL in the syllabus and use it to access the guidance session.

**S1S2  
Guidance**

# Apr. 5 Mon

# 18:45-20:30 (6th period)

 Individual guidance for each project is also provided.  
 Please check the syllabus for the guidance schedule.

## Flying Robot Project

Takeshi Tsuchiya

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

Takeshi Tsuchiya

tsuchiya@mail.ecc.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

