

The 2nd KAIST-Univ. Colorado Boulder Joint Workshop

on Aerospace Engineering:
Space Education

Tuesday, May 16, 2023
10:40 AM~15:00 PM KST

Haedong room (rm 2602) Building
N7, KAIST

Welcome Message



It gives me great pleasure to welcome you all to this exciting workshop on space education, jointly organized by KAIST and the University of Colorado, Boulder. With the advent of the new era of space exploration, this workshop provides an excellent opportunity to exchange ideas and knowledge on various aspects of space education.

We are witnessing the dawn of the new space era, where space exploration is becoming more accessible and commercialized than ever before. The recent successful launch of Korea's new space launcher, Nuri-Ho, and NASA's new moon exploration project, Artemis, are just a few examples of the tremendous strides that the space exploration is making. With the rapid growth of commercial satellites and the need for a reliable space launcher, the competition in the space industry has become fierce. As we explore new frontiers, including the potential exploration of Mars, it is essential to collaborate and work together towards a common goal.

In this era of increasing demand for skilled workers and researchers in the space field, it is crucial that we focus on educating and training the next generation of space professionals. This workshop aims to provide a platform for discussions and knowledge-sharing on the latest trends and innovations in space education.

We hope that this workshop will serve as an excellent opportunity to network, learn, and share insights on the future of space education. We look forward to engaging in fruitful discussions with all of you.

Program chair **Jae-Hung Han**

Program

Opening remark

10:40 ~ 10:45



KC Park
Professor Emeritus, Aerospace Engineering Sciences, University of Colorado Boulder
Distinguished Invited Professor, Dept. of Aerospace Engineering, KAIST

Space education: institutional programs

Chair Hanlim Choi

10:45 ~ 11:00



Introduction of KAIST Aerospace Engineering
Jungryul Lee
Professor, Department Head, Dept. of Aerospace Engineering, KAIST

11:00 ~ 11:30



Introduction of CU Boulder Space Education Program
Trudy Schwartz
Teaching Professor, Aerospace Engineering Sciences, University of Colorado Boulder

11:30 ~ 11:45



Space education at KAIST Satellite Technology Research Center (SaTReC)
Jae-Hung Han
Professor, Dept. of Aerospace Engineering, KAIST
Director, Satellite Technology Research Center, KAIST

11:45 ~ 12:00



Introduction of space communication education center
Jihwan Choi
Associate Professor, Dept. of Aerospace Engineering, KAIST

12:00 ~ 13:00

Lunch

Space education: case studies

Chair Hansohl Cho

13:00 ~ 13:20



Case study in CU Boulder
Bobby Hodgkinson
Assistant Teaching Professor, Aerospace Engineering Sciences, University of Colorado Boulder

13:20 ~ 13:40



Capstone Design Project with Origami
Daeyoung Lee
Assistant Professor, Dept. of Aerospace Engineering, KAIST

13:40 ~ 14:00



Water Tank Experiment for Aerodynamics Education
Reynolds Addo-Akoto
Postdoctoral Researcher, Dept. of Aerospace Engineering, KAIST

14:00 ~ 14:20



Industry-linked Course on Computational Fluid Dynamics
Dong-hyuk Shin (Zoom)
Assistant Professor, Dept. of Aerospace Engineering, KAIST

14:20 ~ 14:30

Break

Panel discussion

14:30 ~ 15:00

Panel discussion