College of Engineering
Dr Roy CHUNG, Founder and Chairman of the Bright Future Charitable Foundation (the Foundation), President Wayne KUO of CityU, Vice-President (Development and External Relations) of CityU and Prof TC TUCK, Acting Dean of the College of Engineering of CityU officiated at the inauguration of the Bright Future Engineering Talent Hub (the Hub) cum Prize Presentation of STEM Challenge. The Hub, established in the College of Engineering with a generous donation from the Foundation, resonates with HK Tech 300, CityU’s large-scale flagship innovation and entrepreneurship programme, in identifying a new generation of talent to enhance the local innovation and technology ecosystem.

Department of Architecture and Civil Engineering
Dr Paul LAM received a silver award at the Geneva International Exhibition of Inventions for his contract research project with The Electrical and Mechanical Services Department of the HKSAR titled Semantic AI for Predictive Maintenance of Railway Track System. In addition, a paper titled Practical model updating of the Ting Kau Bridge through the MCMC-based Bayesian algorithm utilising measured modal parameters by Dr Lam et al published in the March 2022’s edition of the Engineering Structures received the Editor’s Featured Paper Award.

Department of Materials Science and Engineering
Miss CHIU So Ngor recently won the Best Paper Award at the Materials 2022 Competition, organised by the Materials Division of the Hong Kong Institution of Engineers. Her winning project was titled Research of Composite Polymer All-Solid-State Electrolyte in Lithium-Ion Battery.

Department of Mechanical Engineering
Prof Takashi HIBIKI was awarded a project entitled Improvement of constitutive equations for light water reactor by the Secretariat of Nuclear Regulation Authority, Japan. The project will further enhance the safety of light water reactor cores, making it one step closer to a carbon-neutral future.

Department of Architecture and Civil Engineering
Dr WANG Jianfeng recently received several awards, including:
- VEBSEO Fellow in recognition of his leadership in the field of science, engineering, and technology.
- International Association of Advanced Materials Award for his contribution to computational materials science.
- Best Researcher Award by Global Conferences on Artificial Intelligence and Robotics for his contribution to innovative research.

Department of Biomedical Engineering
Dr YU Xinge was awarded the CityU Outstanding Research Award for Junior Faculty 2022. The award aims to recognise and reward research excellence at CityU. It also signifies the University’s commitment to creating an environment conducive to high-quality research at an internationally competitive level and enhancing the Engineering Department’s performance in the delivery of its research agenda.

Department of Materials Science and Engineering
Prof Tony FENG was made a Fellow of the International Association of Advanced Materials for his significant contribution to the advancement of materials science, engineering, and technology. The IAM is a non-profit making international organisation dedicated to promoting scientific research in advanced materials, engineering, and technology.

Department of Biomedical Engineering
Dr PIU Lam received a silver award at the Gewiss International Exhibition of Inventions for his contract research project with The Electrical and Mechanical Services Department of the HRSAT titled Siemens 3i: Preventive Maintenance of Railway Track System. In addition, a paper titled Practical model updating of the Ting Kau Bridge through the MCMC-based Bayesian algorithm utilising measured modal parameters by Dr Lam et al published in the March 2022’s edition of the Engineering Structures received the Editor’s Featured Paper Award.

Department of Mechanical Engineering
Prof PIU Lam received a silver award at the Gewiss International Exhibition of Inventions for his contract research project with The Electrical and Mechanical Services Department of the HRSAT titled Siemens 3i: Preventive Maintenance of Railway Track System. In addition, a paper titled Practical model updating of the Ting Kau Bridge through the MCMC-based Bayesian algorithm utilising measured modal parameters by Dr Lam et al published in the March 2022’s edition of the Engineering Structures received the Editor’s Featured Paper Award.

Event
The Bright Future Engineering Talent Hub cum Prize Presentation of STEM Challenge was inaugurated by Dr Roy CHUNG, Founder and Chairman of the Bright Future Charitable Foundation (the Foundation), President Wayne KUO of CityU, Vice-President (Development and External Relations) of CityU and Prof TC TUCK, Acting Dean of the College of Engineering of CityU.

Student Achievement
Congratulations to the following students on receiving CityU Outstanding Research Thesis Award 2022:

- **Department of Biomedical Engineering**, **Biomedical Engineering & Mechanical Engineering**
  - Mr BAI Songnan (Supervisor: Dr CHIRARATTANANON Pakpong)
    - Title: Aerodynamics, Dynamics, Control and Application of Revolving Aerial Robots
  - Mr YAN Youcan (Supervisor: Dr SHEN Yajing)
    - Title: Soft Magnetic Film Based Tactile Sensor for Robotics
  - Mr YANG Xiong (Supervisor: Dr SHEN Yajing)
    - Title: Development of Magnetic Millirobots for Adaptive Interaction with Environment

- **Department of Electrical Engineering**
  - Miss GUO Xiaoqing (Supervisor: Dr YUAN Yixuan)
    - Title: Towards Annotation-efficient Deep Learning for Automated Medical Image Analysis

- **Department of Mechanical Engineering**
  - Mr James Utama SURJADI (Supervisor: Prof LU Yang)
    - Title: Multiscale Mechanical Metamaterials and Their Engineering Applications
  - Mr ZHOU Ziqing (Supervisor: Prof YANG Yong)
    - Title: Machine Learning Guided Phase Design for Compositionally Complex Alloys: From High Entropy Alloys to Metallic Glasses

- **Department of Materials Science and Engineering**
  - Miss CHIU So Ngor
    - Title: Research of Composite Polymer All-Solid-State Electrolyte in Lithium-Ion Battery
  - Mr LI Yiyang
    - Title: Mat-Chi Si Ngoy recently won the Best Paper Award at the Materials 2022 Competition, organised by the Materials Division of the Hong Kong Institution of Engineers. Her winning project was titled Research of Composite Polymer All-Solid-State Electrolyte in Lithium-Ion Battery.