IEDA *Newsletter*

Brand New Direction for IE Department

The IE Department will be celebrating its 25th Anniversary in 2018. At this very special mark of a quarter of a century, I am very pleased to announce that on January 5 2018, the Department will be renamed as the **Department of Industrial Engineering and Decision Analytics (IEDA)**. The new name reflects the emphasis of the department on both predictive and prescriptive analytics, as well as a broader scope on domain specific areas including demand and supply analytics, health care analytics, financial engineering and risk management, and logistics and engineering management.

A new undergraduate (UG) program called **Decision Analytics (DA)** will be launched in the Fall Term 2018, subject to the final approval. Decision analytics places greater emphasis on using data to drive decision making models. By using statistical models, machine learning algorithms, simulation, creative modeling, prescriptive analytic tools, and domain specific knowledge, graduates will be better able to source high-value added jobs in banks, insurance companies, consulting firms, e-commerce, the travel and leisure industry, health-care organizations, in addition to working on complex issues arising in advanced manufacturing processes that also require decision analytics.

The two existing UG programs will be combined into one under the name **Industrial Engineering and Engineering Management**. This program will share some of the core courses with Decision Analytics and will benefit from courses that are more in line with the modern economy. Graduates from this program will acquire more transferable skills enabling them to direct their energies towards the services, logistics and manufacturing sectors, especially focusing on jobs related to scheduling, systems design, operations planning, quality management and performance analysis. The names of the postgraduate (RPG) programs will be updated to **MPhil and PhD in IEDA** to reflect the new name of the department.

We believe that decision analytics will be increasingly relevant in the 21st Century. Looking forward, we are committed to providing an excellent, broad and inclusive education for our students, making IEDA a world recognized department where graduates excel at having a positive impact in solving important societal problems.

Sincerely,
Professor Guillermo GALLEGO
Crown Worldwide Professor of Engineering
Head of Industrial Engineering and Decision Analytics

Awards and Achievements

Faculty

Research Excellence

Prof Guillermo GALLEGO

Awarded
- 2016 Institute for Operations Research and the Management Sciences (INFORMS) Impact Prize
- 2017 INFORMS Management Science Best Paper Award in Operations Management

Prof Fugee TSUNG

Elected as
2017 Fellow of the American Statistical Association (ASA)

Prof Richard SO (and Mr. Calvin Jiangang ZHANG - MPhil (TLE), 2017)

Recipients of
- *Silver Award in the Bank of China (HK) Federation of Innovative Technologies and Manufacturing Industries (FITMI) "Technology Start-Up" Award 2016*
- *First Prize in Innovation in the Cross-Strait, HK and Macau Innovation and Entrepreneurship Competition*
- *First Prize in the start-up category of the "New World Cup" First Qianhai Shenzhen-Hong Kong Youth Innovation and Entrepreneurship Competition*

Teaching Excellence

Prof Ajay JONEJA

Recipient of
HKUST School of Engineering Teaching Excellence Appreciation Award 2016-17

Prof Qi QI

Best Lecturer in Best Ten Lecturers Election 2017 by VERTEX, the House II Students Association, HKUSTSU, HKUST

Students & Alumni

Undergraduates

Michelle, Hala ATTIA and Leyla BEN LETAIEF (Class of 2017)

Recipients of
- *Silver Award in the HKUST President's Cup 2017*
- *Award of Merit in the Supply Chain and Logistics Management Innovation Project Competition 2017*

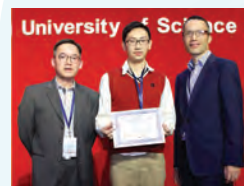**Kevin HALIM (Class of 2019)**

Awarded the
Institution of Engineering and Technology (IET) Prize 2017

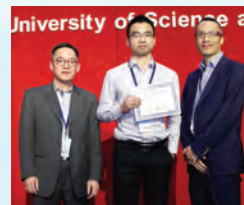**Sigurd Anders BERG, Yunruo HU, Xuanhao WEN, Mingwu YANG and Rong YU (Class of 2017 & 2018)**

Awarded the *Second Runner-up in the Chartered Institute of Logistics & Transport in Hong Kong (CILTHK) Student Day 2017*

Postgraduates

Zhen XU - PhD (IELM)

Awarded the *First-place Prize in the 8th POMS-HK International Conference Best Student Paper Competition*

Hailun ZHANG - PhD (IELM)

Awarded the *Honorable Mention in the 8th POMS-HK International Conference Best Student Paper Competition*

Yifu LI - PhD (IELM)

Selected as one of the *finalists in the 2017 IBM Service Science Best Student Paper Award Competition by INFORMS Service Science Section*

Contact Us

📞 **2358 7100**

🌐 **ieda.ust.hk**

✉️ **ieug@ust.hk**