Globalized Engineering Education in Hong Kong

Professor Francis Au
Associate Dean of Engineering
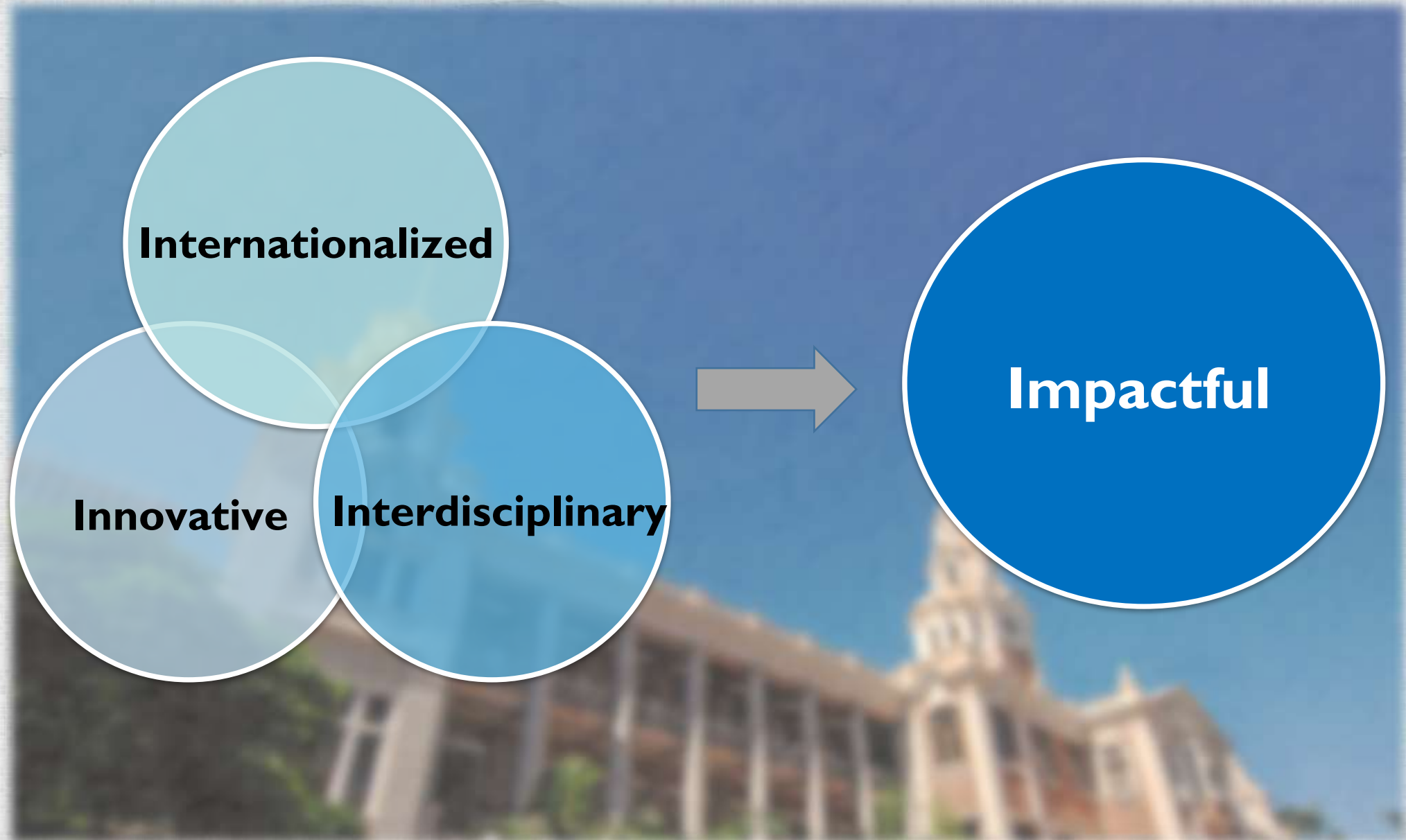**The University of Hong Kong**

Vision

- To provide solutions to global challenges and nurture leaders in the use of technology for the benefit of mankind.

Mission

- To innovate through world-class education and cutting-edge research.
- To conduct interdisciplinary and international collaboration to overcome regional and global challenges.
- To create impact on knowledge-based economy through technology development and entrepreneurship.

Engineering in a Contemporary World

HKU Faculty of Engineering

- 5 Departments (CIV, CS, EEE, IMSE, ME) & 1 R&D arm (ETI)
- ~2,000 undergraduate students
- ~2,200 postgraduate students
  (including around 550 research-postgraduate students)
- 150 academic staff
- Membership in Chinese Academy of Sciences (2) and Engineering (2)

World-class Faculty of Engineering

QS WORLD UNIVERSITY RANKINGS

HKU ranked **1st** in Hong Kong, **2nd** in Asia,

THE

HKU ranked **1st** in Hong Kong, **4th** in Asia,

QS WORLD UNIVERSITY RANKINGS *by subject*

World no. 9th
No. 1 in HK

World no. 9th
No. 1 in HK

World no. 19th

World no. 22nd

World no. 44th

Civil & Structural Engineering

Mineral & Mining

Computer Science & Information Systems

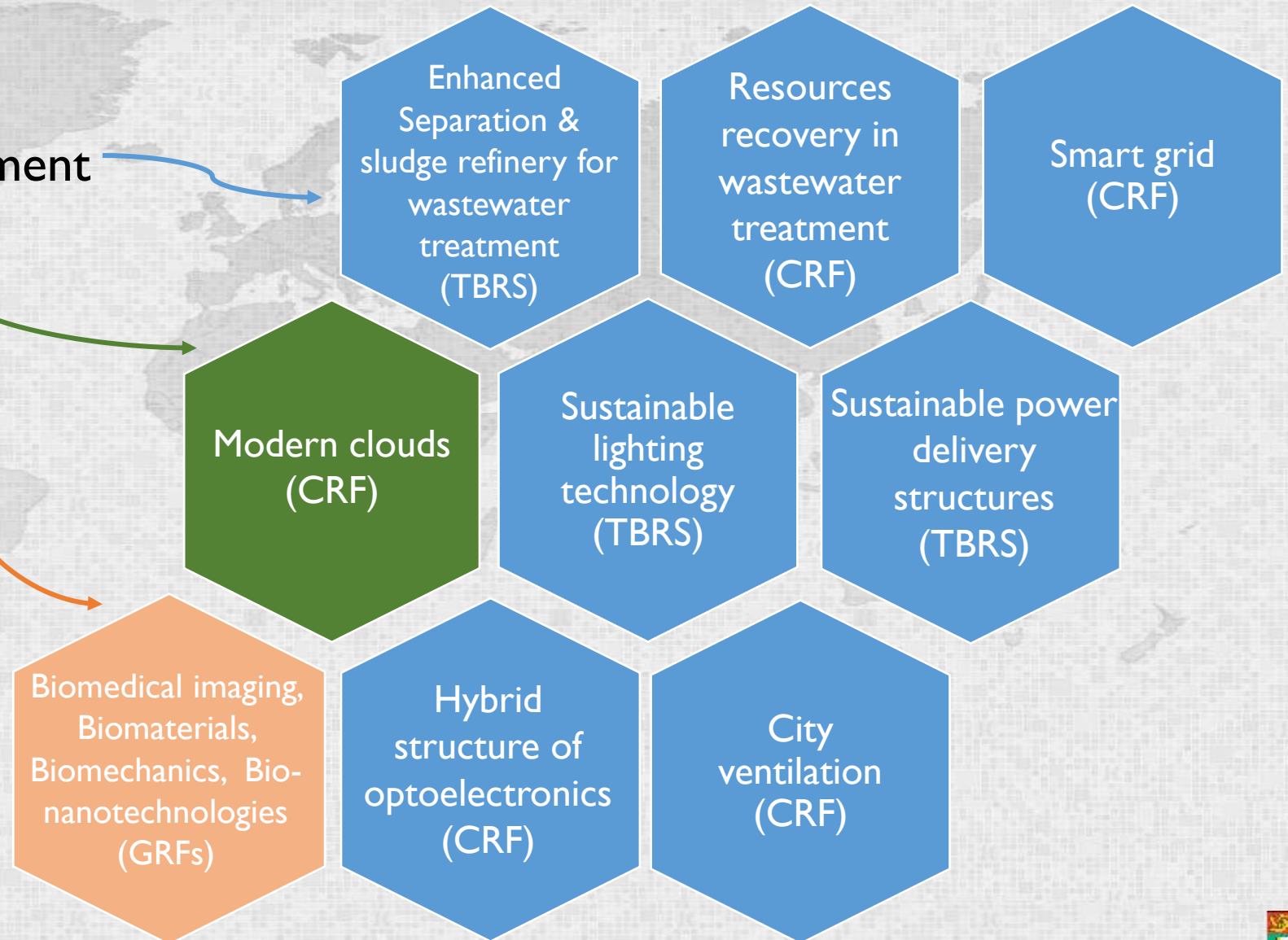**Electrical & Electronic Engineering**

Mechanical, Aeronautical & Manufacturing Engineering

Engineering in a Contemporary World

Three Research Clusters:

- Clean Energy and the Environment
- Smart Systems
- Health Technologies

Enhanced Separation & sludge refinery for wastewater treatment (TBRS)

Resources recovery in wastewater treatment (CRF)

Smart grid (CRF)

Modern clouds (CRF)

Sustainable lighting technology (TBRS)

Sustainable power delivery structures (TBRS)

Biomedical imaging, Biomaterials, Biomechanics, Bio-nanotechnologies (GRFs)

Hybrid structure of optoelectronics (CRF)

City ventilation (CRF)

We converge to advance and share knowledge, and nurture leaders that can change the world