Q & Answer
2017
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為了令溝通更有效率，建議傳媒朋友先聯絡大學公關部門的同事，以便我們更快聯繫適當的受訪者接受訪問。以下為公關部門的聯絡方法：

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CONTENT 目錄

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Division of Life Science 生命科學部
Department of Physics 物理學系
Department of Chemistry 化學系
Department of Mathematics 數學系

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Department of Civil and Environmental Engineering 土木及環境工程學系
Department of Computer Science and Engineering 計算機科學及工程學系
Department of Electronic and Computer Engineering 電子及計算機工程學系
Department of Industrial Engineering and Logistics Management 工業工程及物流管理學系
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Division of Biomedical Engineering 生物醫學工程學部

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Department of Finance 財務學系
Department of Information Systems, Business Statistics and Operations Management 資訊、商業統計及營運學系
Department of Management 管理學系
Department of Marketing 市場學系
MBA Programs 工商管理碩士課程

SCHOOL OF HUMANITIES AND SOCIAL SCIENCE 人文社會科學學院
Division of Humanities 人文學部
Division of Social Science 社會科學部

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# SCHOOL OF SCIENCE 理學院
## DIVISION OF LIFE SCIENCE 生命科學部

### Faculty Information

#### Prof Karen CHAN 陳潔瑜
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- Ocean science
- Global climate change
- Marine invertebrate larvae

#### Prof Tom CHEUNG 張曉東
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- Somatic/ adult stem cell biology
- Stem cell aging
- Stem cell quiescence and activation
- Muscular dystrophy

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- Animal development and patterning
- Genetics, diseases and gene therapy
- Evolution and gene-environment interaction
- Genome biology and editing
- Synthetic biology
- Science education and innovation
- Gifted education

#### Prof Karl HERRUP 賀若蒲
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- Aging
- Alzheimer’s disease
- Brain science - neuroscience
- Cell death
- Cell cycle and DNA damage

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- Environmental microbiology
- Marine bacteria
- Marine pollution
- Population genetics of E coli

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- Interaction between genes and the environment

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- Mechanism and cell cycle control of DNA replication in the budding yeast Saccharomyces cerevisiae
- Regulation of DNA replication in normal and cancer cells
- Molecular cancer detection and anticancer agents

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- Spinal cord/optic nerve injury
- Axon regeneration
- Neural repair

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- Marine natural products as drug leads and antifouling compounds (for marine coating)
- Marine microbial ecology
- Marine ecology and marine environment
- Marine genomics and proteomics
- Marine environmental impact assessment

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- Chinese medicine
- Quality control of Chinese herbs
- Bird’s nest
SCHOOL OF SCIENCE 理學院
DIVISION OF LIFE SCIENCE 生命科學部

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### DEPARTMENT OF PHYSICS 物理學系

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# DEPARTMENT OF MATHEMATICS 數學系

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<td>Prof Beifang CHEN 陳北方</td>
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<tr>
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<th>Complex function theory, Hilbert space operator theory, Functional analysis, International Mathematical Olympiad (IMO)</th>
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<tr>
<td>Prof Reinhard RENNEBERG 任能博</td>
<td>Professor</td>
<td>Medical biotechnology, Bio-nanotech, Environmental analysis</td>
<td>English, German</td>
</tr>
<tr>
<td>Prof Ching W TANG 鄧青雲</td>
<td>IAS Bank of East Asia Professor, Chair Professor</td>
<td>Display technology, OLED organic light emitting diode, Renewable energy</td>
<td>English, Mandarin</td>
</tr>
<tr>
<td>Prof Henry He YAN 顏河</td>
<td>Associate Professor</td>
<td>Organic solar cells, Organic electronics</td>
<td>English, Mandarin</td>
</tr>
<tr>
<td>Prof Jianping GAN 甘劍平</td>
<td>Professor</td>
<td>Ocean circulation and ecosystem modeling, Ocean dynamics and coastal oceanography</td>
<td>English, Mandarin</td>
</tr>
<tr>
<td>Prof Kin-yin LI 李健賢</td>
<td>Associate Professor</td>
<td>Complex function theory, Hilbert space operator theory, Functional analysis, International Mathematical Olympiad (IMO)</td>
<td>English, Mandarin</td>
</tr>
<tr>
<td>Prof Xianhua PENG 彭獻華</td>
<td>Assistant Professor</td>
<td>Financial instruments, Risk management</td>
<td>English, Mandarin</td>
</tr>
<tr>
<td>Prof Jianping GAN 甘劍平</td>
<td>Associate Professor</td>
<td>Ocean circulation and ecosystem modeling, Ocean dynamics and coastal oceanography</td>
<td>English, Mandarin</td>
</tr>
<tr>
<td>Prof Tsz-ho FONG 方子豪</td>
<td>Assistant Professor</td>
<td>Differential geometry, Geometric analysis</td>
<td>English, Mandarin</td>
</tr>
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## DEPARTMENT OF MATHEMATICS 數學系

### Faculty Information

<table>
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<tr>
<th>Name</th>
<th>Title</th>
<th>Area of Expertise</th>
<th>Language</th>
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<tbody>
<tr>
<td>Prof Beifang CHEN 陳北方</td>
<td>Professor</td>
<td>Combinatorics, Graph theory, Topology/geometry</td>
<td>English, Mandarin</td>
</tr>
<tr>
<td>Prof Kin-yin LI 李健賢</td>
<td>Associate Professor</td>
<td>Complex function theory, Hilbert space operator theory, Functional analysis, International Mathematical Olympiad (IMO)</td>
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<td>Prof Xianhua PENG 彭獻華</td>
<td>Assistant Professor</td>
<td>Financial instruments, Risk management</td>
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### Department of Chemical and Biomolecular Engineering

<table>
<thead>
<tr>
<th>Faculty Information</th>
<th>Area of Expertise</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof Ka-ming NG 吳嘉名</td>
<td></td>
</tr>
<tr>
<td>Chair Professor</td>
<td></td>
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<tr>
<td>Tel: 2358 7238</td>
<td></td>
</tr>
<tr>
<td>Email: <a href="mailto:kekmng@ust.hk">kekmng@ust.hk</a></td>
<td></td>
</tr>
<tr>
<td>Language: Cantonese, English</td>
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<tr>
<td></td>
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<tr>
<td>• Development of processes with multiphase reactions, separation and purification using extraction and crystallization, solids processing</td>
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<tr>
<td>• Applications in manufacture of pharmaceuticals and specialty chemicals</td>
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<tr>
<th>Prof Ping GAO 高平</th>
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<tbody>
<tr>
<td>Professor</td>
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<tr>
<td>Associate Head</td>
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<tr>
<td>Tel: 2358 7126</td>
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<tr>
<td>Email: <a href="mailto:kepgao@ust.hk">kepgao@ust.hk</a></td>
</tr>
<tr>
<td>Language: English, Mandarin</td>
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<tr>
<td>• Diffusion in polymers</td>
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<td>• Photocatalytic oxidation using OFR</td>
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<td>• Nanoparticles coated wrinkle free cotton fabric</td>
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<td>• Bio-polymer materials</td>
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<tr>
<th>Prof I-ming HSING 邢怡銘</th>
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<tbody>
<tr>
<td>Professor</td>
</tr>
<tr>
<td>Head and Professor of Biomedical Engineering</td>
</tr>
<tr>
<td>Tel: 2358 7131</td>
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<tr>
<td>Language: Cantonese, English, Mandarin</td>
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<td>• Bioanalytical microsystem</td>
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<th>Prof Jun-shang KUANG 鄺君尚</th>
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<tbody>
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<td>Professor</td>
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<td>Email: <a href="mailto:cejkuang@ust.hk">cejkuang@ust.hk</a></td>
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<tr>
<td>Language: Cantonese, English, Mandarin</td>
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<tr>
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<tr>
<td>• Analysis and design of structural systems</td>
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<tr>
<td>• Earthquake-resistant design</td>
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<td>• Reinforced concrete structures</td>
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<td>• Tall buildings</td>
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<tr>
<td>• Large-scale experimental evaluation of concrete structures and components</td>
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<tr>
<th>Prof Joseph LEE 李行偉</th>
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<tbody>
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<tr>
<td>Language: Cantonese, English, Mandarin</td>
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<tr>
<td>• Water environment engineering</td>
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<td>• Hydraulics/ fluid mechanics</td>
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<th>Prof Christopher LEUNG 梁堅凝</th>
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<tr>
<td>Professor</td>
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<tr>
<td>Email: <a href="mailto:ckleung@ust.hk">ckleung@ust.hk</a></td>
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<tr>
<td>Language: Cantonese, English, Mandarin</td>
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<td>• Construction materials</td>
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<td>• Bendable concrete</td>
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<tr>
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<tr>
<td>Head</td>
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<tr>
<td>Tel: 2358 8742</td>
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<tr>
<td>Email: <a href="mailto:cehklo@ust.hk">cehklo@ust.hk</a></td>
</tr>
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<td>Language: Cantonese, English, Mandarin</td>
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<td>• Public transportation</td>
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## Faculty Information

### DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING

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</tr>
<tr>
<td>Prof Henry LAM</td>
<td>Associate Professor, Acting Head</td>
<td>• Proteomics • Mass spectrometry</td>
</tr>
<tr>
<td>Prof Tom Zhengtang LUO</td>
<td>Assistant Professor, Assistant Professor</td>
<td>• Advanced materials • Nanotechnology • Graphene • Carbon nanotubes</td>
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### DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Prof Jun-shang KUANG</td>
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<td>• Analysis and design of structural systems • Earthquake-resistant design • Reinforced concrete structures • Tall buildings • Large-scale experimental evaluation of concrete structures and components</td>
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<tr>
<td>Prof Hong-kam LO</td>
<td>Chair Professor, Head</td>
<td>• Traffic engineering • Public transportation • Traffic control • Intelligent transport systems</td>
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• Risk assessment and remediation technology for contaminated sites
• Pollutant migration in soil and groundwater
• Physical and chemical water and wastewater treatment
• Nanotechnology for water and wastewater treatment processes

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• Internet of things
• Multimedia streaming
• Wireless and mobile computing

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• Big data: extraction, integration, storage
• Big data management and query optimization
• Graph data management and analytics
• Crowdsourcing
• Time series data and spatial data management

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Language: English, Mandarin

• Data visualization
• Computer graphics
• Medical imaging
• Human-computer interaction

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計算機科學及工程學系

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- Entrepreneurship
- Internet of things
- Multimedia streaming
- Wireless and mobile computing
- Big data: extraction, integration, storage
- Big data management and query optimization
- Graph data management and analytics
- Crowdsourcing
- Time series data and spatial data management
- Data visualization
- Computer graphics
- Medical imaging
- Human-computer interaction

- Computer vision
- 3D reconstruction
- Image-based modeling and rendering
- Machine learning
- Robotics perception

- Artificial intelligence, machine learning
- Big data and data mining
- AI in Fintech

- Cybersecurity
- Program analysis
- Security analysis
- Programming languages
- Software engineering

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<tr>
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<tbody>
<tr>
<td>Prof Pascale FUNG</td>
<td>Professor</td>
<td>Speech and speaker recognition, Human-robot communications, Emotion and sentiment recognition, Big data analytics, Understanding and dialogue strategies in speech recognition, Multilinguality in speech and language, Machine translation, Cross-language information processing</td>
</tr>
<tr>
<td>Prof Ming LIU</td>
<td>Assistant Professor</td>
<td>Mobile robotics, mapping and navigation, Computer vision, Machine learning, Non-parametric modeling, Multi-robot system, Elderly-care robotics</td>
</tr>
<tr>
<td>Prof James SHE</td>
<td>Assistant Professor</td>
<td>Social media, big data, digital marketing, VR/AR, 360 video, new media, Internet of things, smartphone interactions, smart cities, connected vehicles</td>
</tr>
<tr>
<td>Prof Jun Jungwon SEO</td>
<td>Assistant Professor</td>
<td>Control and robotic systems</td>
</tr>
<tr>
<td>Prof Jiang XU</td>
<td>Associate Professor</td>
<td>Big data system, Machine learning system, Heterogeneous computing system, Optical/photonic interconnection network, Power delivery and management system, Multiprocessor system-on-chip, Low-power embedded system, Hardware/software codesign, Internet of things</td>
</tr>
<tr>
<td>Prof Patrick YUE</td>
<td>Professor</td>
<td>Mobile communication circuit design for 5G and beyond, High-speed fiber-optic communication circuit design for data centers, Smart LED systems for Internet of things applications</td>
</tr>
<tr>
<td>Prof Qian ZHANG</td>
<td>Tencent Professor of Engineering, Chair Professor</td>
<td>Healthcare, Wireless communication and networking, Pervasive computing and mobile computing, Internet of things (especially in healthcare), Multimedia networking</td>
</tr>
<tr>
<td>Prof Bertram SHI</td>
<td>Professor</td>
<td>Bio-inspired engineering, Machine learning, Neural networks, Image, speech and signal processing, Computational neuroscience</td>
</tr>
<tr>
<td>Prof Bertram SHI</td>
<td>Head</td>
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<tr>
<td>Prof Jun Jungwon SEO</td>
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<td>Control and robotic systems</td>
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- Speech and speaker recognition
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- Big data analytics
- Understanding and dialogue strategies in speech recognition
- Multilinguality in speech and language
- Machine translation
- Cross-language information processing

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- Machine learning
- Non-parametric modeling
- Multi-robot system
- Elderly-care robotics

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- VR/AR, 360 video, new media
- Internet of things, smartphone interactions, smart cities, connected vehicles

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*Revenue management*
*Assortment optimization*
*Demand and supply analytics*

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*User-centered product design, human performance modeling*
*Human-computer interaction, data visualization*

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*Architectural geometry*
*Rapid prototyping*

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*Production scheduling*
*Production and operations management*

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Language: English, Mandarin

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*Logistics and supply chain management*
*Disruption planning*

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## DEPARTMENT OF INDUSTRIAL ENGINEERING AND LOGISTICS MANAGEMENT 工業工程及物流管理學系

<table>
<thead>
<tr>
<th>Faculty Information</th>
<th>Area of Expertise</th>
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</table>
| Prof Guillermo GALLEG0 賈柏有限公司工程學教授 | • Dynamic pricing  
• Revenue management  
• Assortment optimization  
• Demand and supply analytics |
| Crown Worldwide Professor of Engineering  
Chair Professor  
Head  
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Email: ggallego@ust.hk  
Language: English |
| Prof Ravindra S GOONETILLEKE 謝樂偉 | • Ergonomics, footwear biomechanics  
• User-centered product design, human performance modeling  
• Human-computer interaction, data visualization |
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| Prof Ajay JONEJA 莊納雅 | • CAD/CAM integration for manufacturing processes  
• Architectural geometry  
• Rapid prototyping |
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Language: English |
| Prof Chung-yee LEE 李忠義 | • Logistics management  
• Production scheduling  
• Production and operations management |
| Cheong Ying Chan Professor of Engineering  
Chair Professor  
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Email: cylee@ust.hk  
Language: English, Mandarin |
| Prof Xiangtong QI 賈向彤 | • Production planning and scheduling  
• Logistics and supply chain management  
• Disruption planning |
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### DEPARTMENT OF INDUSTRIAL ENGINEERING AND LOGISTICS MANAGEMENT 工業工程及物流管理學系

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| **Prof Guillermo GALLEGÓ**
  Crown Worldwide Professor of Engineering
  Chair Professor                                          |  • Dynamic pricing  
  • Revenue management  
  • Assortment optimization  
  • Demand and supply analytics |
| Tel: 2358 7092  
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  • Rapid prototyping |
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  Email: joneja@ust.hk | Language: English                                                                                   |
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  Chair Professor                                          |  • Logistics management  
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  • Production and operations management |
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| **Prof Xiangtong QI 齊向彤**
  Professor                                             |  • Production planning and scheduling  
  • Logistics and supply chain management  
  • Disruption planning |
| Tel: 2358 8231  
  Email: ieemqi@ust.hk | Language: English, Mandarin                                                                            |

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### DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING 機械及航空航天工程學系

#### Faculty Information

<table>
<thead>
<tr>
<th>Professor</th>
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</table>
| **Prof Christopher CHAO 趙汝恒**
  Chair Professor                                          |  • Indoor air quality and energy |
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  Email: meyhchao@ust.hk | Language: Cantonese, English, Mandarin                                                               |
| **Prof Ricky LEE 李世瑋**
  Chair Professor                                          |  • Flip chip technologies and wafer level packaging through silicon vias and 3D packaging  
  • Passive alignment of optical fibers and LED packaging  
  • Lead-free soldering and solder joint reliability  
  • Computational modeling and stress analysis |
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  Email: rickylee@ust.hk | Language: English, Mandarin                                                                            |
| **Prof Larry LI 李建邦**
  Assistant Professor                                      |  • Combustion  
  • Heat transfer  
  • Flow instability  
  • Fluid-structure interactions |
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  Email: larryli@ust.hk | Language: Cantonese, English, Mandarin                                                               |

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DIVISION OF BIOMEDICAL ENGINEERING 生物醫學工程學部

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Faculty Information

Area of Expertise

- Biomaterial
- Drug delivery
- Medical image analysis
- Medical imaging
- Image processing
- Neuro surgery
- Visual and auditory perception
- Thermal management of power devices
- Bioinspired Micro Aero Vehicles (MAVs)
- Intelligent building technologies
- Aircraft engineering; air transport
- Noise and acoustics: in particular transport related noise issues and its environment impact
- Vehicle engineering
- Fuel cells/batteries
- Heat transfer
- Lattice Boltzmann method
- Phase-change flow and heat transfer in porous media
- Electronic cooling
- Advanced air conditioning and refrigeration systems
- Control and robotic systems
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- Image processing

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SCHOOL OF BUSINESS AND MANAGEMENT
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DEPARTMENT OF ACCOUNTING 會計學系

Faculty Information

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Area of Expertise

- Macro-economic issues and polices
- Global investment
- Prediction on major macro trends

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Area of Expertise

- Taxation
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DEPARTMENT OF ECONOMICS 經濟學系

Faculty Information

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Language: Cantonese, Mandarin, English

Area of Expertise

- Global economy
- Economic growth and development
- Intellectual property rights protection
- Innovation
- Exchange rate
- Renminbi
- One Belt One Road

Prof Francis LUI 雷鼎鳴
Professor 教授
Director of Center for Economic Development 經濟發展研究中心主任
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Language: Cantonese, Mandarin, English

Area of Expertise

- Social, economic, political issues
- Broad current issues
- Population
- Social security
- Constitutional reform
- Exchange rate systems
- Economics of corruption

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Area of Expertise

- Entrepreneurship
- Family businesses
- Corporate governance

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Area of Expertise

- Investment management
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- Prediction on major macro trends

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- Revenue policy

DEPARTMENT OF ECONOMICS 經濟學系

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- Economic growth and development
- Intellectual property rights protection
- Innovation
- Exchange rate
- Renminbi
- One Belt One Road

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- Broad current issues
- Population
- Social security
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- Economics of corruption

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MBA PROGRAMS 工商管理碩士課程

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Prof Michael ZHANG 張曉泉
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Language: English, Mandarin

Area of Expertise

- IT policy
- Information privacy and security
- Economics of information systems
- Electronic commerce

- Supply chain management
- Procurement operations

- Big data
- Electronic commerce

- Innovation management
- Management of information systems
- Telecom industry development & policy
- EMBA & Executive Programs

- Online advertising: word-of-mouth, position auctions
- Social media: incentives and biases, information environment for managers/ investors
- Information goods: pricing, innovation incentives, long tail

DEPARTMENT OF MANAGEMENT 管理學系

Faculty Information

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Prof Michael ZHANG 張曉泉
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Language: English, Mandarin

Area of Expertise

- Undergraduate programs
- Global Business Programs (GBUS)
- Undergraduate admission

- Undergraduate programs
- Lay theories
- Emotions
- Behavioral experimentation in laboratory and field settings
- Food psychology and marketing

MBA PROGRAMS 工商管理碩士課程

Faculty Information

Mr Sean FERGUSON 霍格信
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Director of MBA Programs 工商管理碩士課程主任
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Area of Expertise

- MBA and executive education
- Rankings

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### SCHOOL OF HUMANITIES AND SOCIAL SCIENCE

#### DIVISION OF HUMANITIES

<table>
<thead>
<tr>
<th>Faculty Information</th>
<th>Area of Expertise</th>
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<tbody>
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| Prof Jianmei LIU 劉劍梅 | Professor | Tel: 2358 7767 |
| Email: hjjmliu@ust.hk | Language: Mandarin, English | • Modern and contemporary Chinese literature |
|                     |                    | • Chinese literary history |
|                     |                    | • Gender studies |
|                     |                    | • Relationship between philosophy and literature |

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| Email: hmmsliu@ust.hk | Language: Cantonese, English, Mandarin | • Chinese popular religion |
|                     |                    | • Heritage studies |
|                     |                    | • Fishermen culture and society |
|                     |                    | • Lineage organization in South China |

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| Email: myshaw@ust.hk | Language: English, Mandarin, Japanese | • Modern Chinese and Japanese literature, culture and film |
|                     |                    | • Sino-Japanese wartime history and literature |
|                     |                    | • Intercultural and transnational identity formation |
|                     |                    | • Studies of third culture kids |

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| Email: mtommasini@ust.hk | Language: English | • Music composition |
|                     |                    | • Music performance |
|                     |                    | • Creative arts education |
|                     |                    | • Creative arts event presentation |
|                     |                    | • Arts venue development |

### DIVISION OF SOCIAL SCIENCE 社會科學部

#### Faculty Information | Area of Expertise

| Prof Harry HARDING 何漢理 | Visiting Professor | Tel: 3469 2472 |
| Email: hharding@ust.hk | Language: English | • US-China relationship |
|                     |                    | • US foreign policy |
|                     |                    | • Chinese foreign policy |
|                     |                    | • Trump administration |

| Prof Carsten HOLZ 穆嘉 | Professor | Tel: 2358 7835 |
| Email: carstenholz@gmail.com | Language: English | • Chinese economy, in particular quality of Chinese statistics, Chinese national income accounting / GDP statistics |
|                     |                    | • Macro-economic (including growth) issues of the Chinese economy |

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| Email: sojohnma@ust.hk | Language: English, Mandarin | • Migration |
|                     |                    | • Demography |

| Prof Albert PARK 朴之水 | Chair Professor of Social Science | Tel: 2358 5981/ 6874 0938 |
| Email: albertpark@ust.hk | Language: English | • Chinese economy |
|                     |                    | • Chinese labor, ageing, industry, inequality |
|                     |                    | • Emerging markets |
|                     |                    | • One Belt One Road |

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SCHOOL OF HUMANITIES AND SOCIAL SCIENCE
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- History of pre-modern technology

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Area of Expertise

- Modern and contemporary Chinese literature
- Chinese literary history
- Gender studies
- Relationship between philosophy and literature

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- Chinese popular religion
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- Lineage organization in South China

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- Studies of third culture kids

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- Arts venue development

DIVISION OF SOCIAL SCIENCE
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- Chinese foreign policy
- Trump administration

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Language: English

Area of Expertise

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- Macro-economic (including growth) issues of the Chinese economy

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Area of Expertise

- Migration
- Demography

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Director of Institute for Emerging Market Studies 新興市場研究所所長
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Language: English

Area of Expertise

- Chinese economy
- Chinese labor, ageing, industry, inequality
- Emerging markets
- One Belt One Road

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Prof Barry SAUTMAN 沙伯力
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Language: English, Mandarin

- China-Africa relations
- China-US relations
- Ethnic politics in China
- Localism/nativism in Hong Kong and abroad
- One Belt One Road

Prof Naubahar SHARIF 白立邦
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- Technology and innovation policy in Hong Kong
- One Belt One Road

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Language: English, Cantonese, Mandarin

- Hong Kong politics

Prof Kellee TSAI 蔡欣怡
Professor 教授
Head 系主任
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Language: English, Mandarin

- China’s political economy (general), informal finance and shadow banking in China
- Private sector development in China
- China’s development in comparative perspective (including China-India comparisons)

Prof Xiaogang WU 吳曉剛
Professor 教授
Director of the Center for Applied Social and Economic Research
應用社會與經濟研究中心主任
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Language: Mandarin, English

- Social inequality and mobility in China and Hong Kong
- Educational inequality in China
- Population issues and labor migration in China
- China’s Hukou system

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Prof David Stephen ZWEIG 崔大偉
Chair Professor 講座教授
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- Chinese politics, including politics among China’s leaders
- China’s foreign policy, including East Asian International relations and Sino-American relations
- Chinese who have returned to China after studying overseas and the issue of “reverse migration” for other countries
- China’s energy policy
- China’s “going out” policy
- Hong Kong-Mainland relations
- Hong Kong politics
- One Belt One Road
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