Dean University of Glasgow UESTC

Professor John Marsh

约翰•马什
1. Remit & Geographical areas within remit

2. Research opportunities in respective territory
Motto: 求实求真 大气大为 (Truth-seeking and truth-seeking atmosphere greatly)
Type: Public
Established: 1956
President: Li Yanrong (李言荣)
Academic staff: 1,900, inc. 7 academicians
Students: 24,628 Undergraduates 13,939 Postgraduates 10,689
Location: Chengdu, Sichuan, China
Campus: Urban, 2 campuses, 2.67 km² (660 Acres)
Status: 985 and 211
Ranking: 5th in China (People’s Daily)
• University of Glasgow founded 1451
  • Fourth oldest university in English speaking world

• Regius Chair of Civil Engineering and Mechanics established at Glasgow by Queen Victoria in 1840

• First university school of Engineering in the UK

• First Engineering Degree programme in the UK 1872 started under Professor William Rankine

• Internationally recognised facilities in Glasgow include
  • James Watt Nanofabrication Centre
  • Electronics Design Centre
  • Wind tunnel facilities
  • Environmental water lab
• UESTC established in 1956
  • Merger of electronics and communications divisions of
    • Shanghai Jiao Tong University,
    • Nanjing Institute of Technology (Southeast University)
    • South China Institute of Technology (South China University of Technology)

• Developed as a Key University in 1960

• ‘Project 211’ University in 1997

• ‘Project 985’ institution in 2001

• 39 research institutes and laboratories
  • 4 national key laboratories
  • 1 engineering national laboratory
UESTC President Li Yanrong and UoG Principal Anton Muscatelli

Opened in September 2013
Located at the Qingshuihe campus, Chengdu, China
China
Responsible for the partnership between UoG and UESTC

- **Main focus is the Glasgow College UESTC**
  - (previously UoG-UESTC Joint School)
  - Joint Educational Programme in Electronic Information Engineering (BEng in EEE)
  - Joint Education Institute
    - 2016: Telecommunications (BEng in EEE)
    - 2018: Microelectronics (BEng in EEE)
    - 2020: Biomedical Engineering (BEng in BME)

- **Other major activities in the partnership**
  - 2+2 programmes
  - PhD programme in Life Sciences

- **Large part of the role is to enable UoG to deliver**
Joint Educational Programme (JEP) / Joint Education Institute

- Leads to dual degrees in Electronics and Electrical Engineering/ Biomedical Engineering
- Teaching delivered by the UoG-UESTC Joint School

Brings together the best aspects of both university systems to deliver a EEE undergraduate degree programme in China at a standard commensurate with the highest quality education available internationally.

All classes are taught in English

50% of technical courses taught by UoG staff
Programme vision

- Brings together the best aspects of both university systems
- Builds on culture of research-led education in both Universities
- Standard commensurate with the highest quality education available internationally
- Intention for our graduates to become leaders in their field
- At least 50% of our students will pursue a graduate degree immediately after their Bachelor’s degree
- JEI will act as foundation of internationally-leading joint research hub
Science:

- School of Computer Science & Engineering
- School of Energy Science and Engineering
- School of Mathematical Sciences
- School of Physical Electronics
- School of Resources and the Environment
- School of Information and Software

Engineering:

- School of Aeronautics and Astronautics
- School of Automation Engineering
- School of Electronic Engineering
- School of Mechatronics Engineering
- School of Microelectronics and Solid-State Electronics
- School of Optoelectronic Information
- School of Telecommunication and Information Engineering
Medicine:
- School of Life Science and Technology
- School of Medicine (Est. jointly with Sichuan Provincial People's Hospital in 2013)

Humanities:
- Alliance Française—Chengdu
- School of Foreign Languages

Education:
- Yingcai Experimental School
- School for International Education
- Glasgow College UESTC

Business and Administration:
- School of Economics and Management
- School of Marxism Education
- School of Political Science and Public Administration
- UESTC-ISCTE Joint Program of Doctor of Management
- UESTC-Webster University Joint International MBA Program

Institutes
- Institute of Fundamental and Frontier Sciences
- Institute of Electronic and Information Engineering in Dongguang
- Research Institute Electronic Science and Technology
Key Disciplines

National Key Disciplines
- Communication and Information System
- Signal and Information Processing
- Circuit and System
- Electromagnetic Field and Microwave Technology
- Microelectronics and Solid State Electronics Physical Electronics

National Key (Fostering) Disciplines
- Optical Engineering
- Applied Computer Technology
Major fields and areas

- Communications, Navigation, Measuring and Control Technology
- Radar Detection and Imaging Technology
- Optoelectronic Technology
- Electronic Information Materials Technology
- Electronic Information Systems Technology
- Microelectronics Technology
- Stealth Technology
- Microwave and Millimeter Wave Technology
- Precision Guidance Technology
- Computer Science and Engineering
- Electronic Components and Vacuum Electron Device Technology
- Test Systems Technology
- Warfare Technology
Thousand talent plan:

- **General program**
  - 2 schemes long term 9 months & short term 3 months per annum

- **Famous professor**
  - Active in research area
  - FIEEE
  - At least 100 journal articles min. of which 30-40 IEEE trans.

- **Fellowship**
  - Annual income 700k RMB for 9 months (pro rata for 3 months)
  - A once of settlement of 1M RMB from the central government
  - A one of settlement of 1M RMB from the Sichuan provincial government
  - 5M RMB investment as a starting point to develop a research platform at UESTC
  - Could ask for more later
Fellowship opportunities

Young professionals (35 years old max)

• Good assistant professor (Senior Lecturer) in famous university
  – 10 IEEE trans. Papers
  – SCI: 200 citations
  – More than 3 years research experience overseas

• Fellowship
  – Annual income about 300k RMB
  – 2M RMB investment as a starting point to develop a research platform at UESTC
  – Full professor appointment in UESTC

• This is an overseas talent return scheme for Chinese nationals to return to China but could be applied to foreigners with some negotiation with UESTC
Yantse River Scholars

- Full professors with FIEEE status
- Approved for 3 months a year
- Recognized in his/her research area
EPSRC agreements in place with
- Ministry of Science and Technology (MOST)
- Chinese Academy of Sciences (CAS)
- National Natural Science Foundation of China (NSFC)
- In 2014 EPSRC and NSFC announced a new £20M, three-year programme in low-carbon innovation focusing on
  - Low-carbon cities
  - Low-carbon manufacturing
  - Offshore renewable energy technologies
- Newton via Royal Society/Royal Academy of Engineering/RCUK
谢谢