### 美国《材料研究》月刊主编 (principal editor) 英国材料学会会士 (Fellow, IOMMM) 新加坡南洋理工大学机械及宇航工程学院副院长(研究生教育)



Prof. Sam Zhang School of Mechanical & Aerospace Engineering Nanyang Technological University 50 Nanyang Avenue Singapore 639798



Secretary: 65-6790 6827

Autolink to hand phone: 65-6790 4400

fax. 65-6791 1859

email: msyzhang@ntu.edu.sg

web: http://www.ntu.edu.sg/home/msyzhang





张善勇教授

### 南洋理工大学 Nanyang Technological University

#### Global Standing:

- **2004**: NTU was ranked 50th globally and 7th in Asia by The Times Higher Education Supplement in a ranking of 200 best universities worldwide.
- 2005: NTU was ranked 48th globally by The Times Higher Education Supplement in a ranking of the world's best universities and placed 26th among technology universities.
- 2006: NTU advanced 11 positions to 15th place in the global league of technology universities, according to the Times Higher Education Supplement.
- **2007**: NTU was ranked among the top 25 technology universities in the world by the Times Higher Education Supplement.

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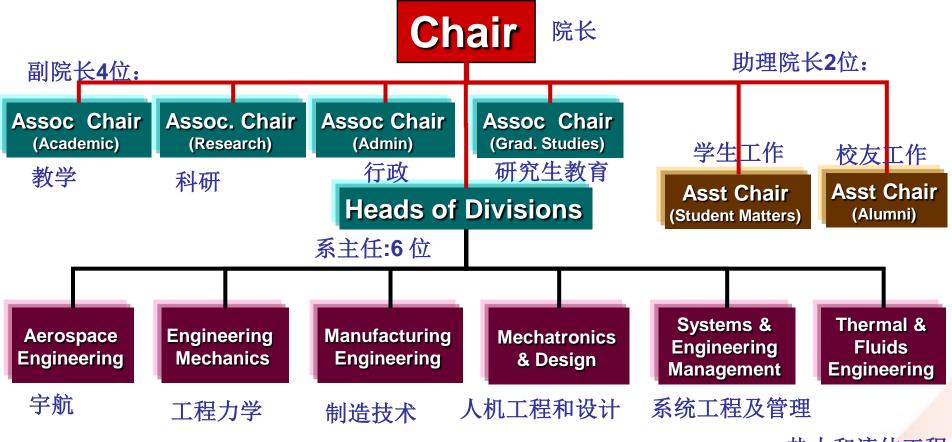
<b>Established</b>	<u>1955</u>
<b>Faculty</b>	1,100
<b>Total Faculty and Staff</b>	3,739
<u>Undergraduates</u>	21,097
<u>Postgraduates</u>	9,425

http://www.ntu.edu.sg/AboutNTU/NTUataglance/Pages/factsrankings.aspx

### 机械与宇航工程学院



### 机械与宇航工程学院组织结构



热力和流体工程



### **School Statistics**

#### **Staff**

Academic Staff = 148 教学人员 Admin Staff = 42 行政人员 Technical Staff = 97 技术人员 Research Staff = 104 全职研究人员

### **Students**

BEng(Mech)	2,312
BEng(Aero)	383
MSc	613
MEng (by research)	74
PhD	307

### **Alumni**

BEng(Mech)	11,694
MSc	1,910
MEng	345
PhD	547



# **Undergraduate Programmes**

# 本科教育

Bachelor of Engineering (Mechanical Engineering)

机械工程学士学位

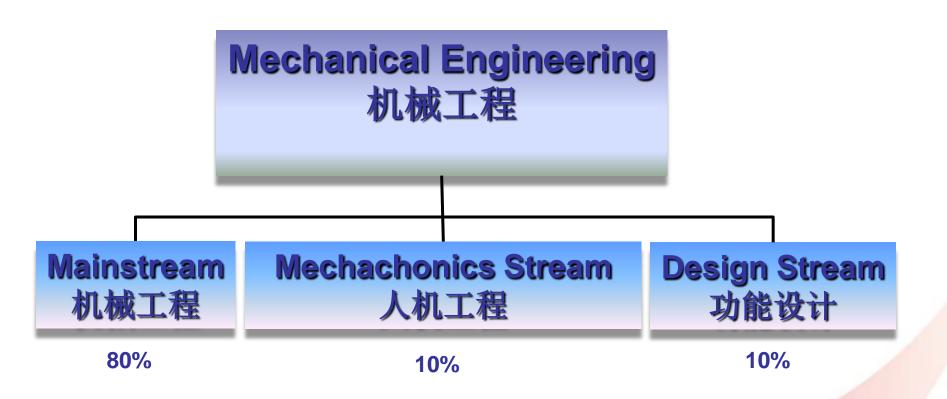
Bachelor of Engineering (Aerospace Engineering)

宇航工程学士学位

- Double Degree:
  - •BEng(Mech&Econ) 机械与经济双学士学位
  - •BEng(Aero&Econ) 宇航与经济双学士学位
    - •80% Singaporean
    - •20% international students
    - •Majority of international students are from China, Malaysia, India and Indonesia

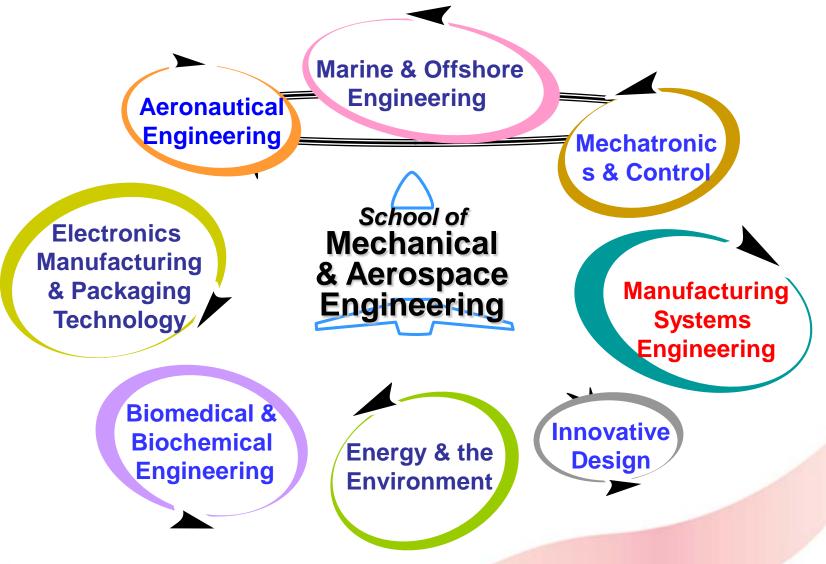


### 机械工程的三大专业方向





### Undergrad specialization 本科专业设置



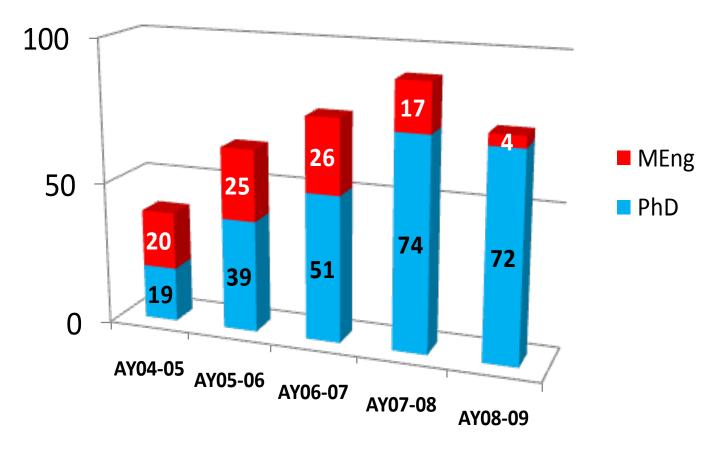


### Gradate Education 研究生教育

- Master of Science (MSc) (by course and dissertation)
- Master of Engineering (by research)
- PhD (by research)



## 宇航与机械工程学院研究生新生



PhD intake of 72 for AY08-09 as shown is only for Semester 1



#### **Aerospace** MEng/PhD (By Research) **Engineering** •Flight Dynamics & Control Aerodynamics Propulsion Virtual Reality/ Smart Materials Micro/Nano **Robotics Fabrication** & Intelligent Systems •Biomedical Engineering •Biomaterials Engineering Surgical Robots •Thin Films & Coatings Unmanned Aerial Vehicles Current •Materials Process & Rehabilitation Robots Characterization Remote Diagnosis & Surgery Research **Micro Systems** Areas & Bio/Nanotech **Clean Energy** •Micro-Electro-Mechanical •Fuel Cell **Systems** Clean/Green Technology •Bio-Micro Electro-Other Alternative Energy Systems & **Mechanical Systems** Data Storage **Engineering** Sensors & Actuators **Management** Human Factors •Logistics System Modeling & **Operations** System of Systems



For details, visit our website:

www.ntu.edu.sg/mae/Academic/PStudent/MengPhd/MengPhd.asp