



上海交通大学

SHANGHAI JIAO TONG UNIVERSITY



# SJTU: Heading for the Future

September 2011

Shanghai Jiao Tong University is a leading research-intensive university in China. It is also one of the oldest Chinese institutions of higher learning which dates back to the late 19th century.

Located in Shanghai – the leading metropolis in China's economic growth.





# SJTU: A Top University in China

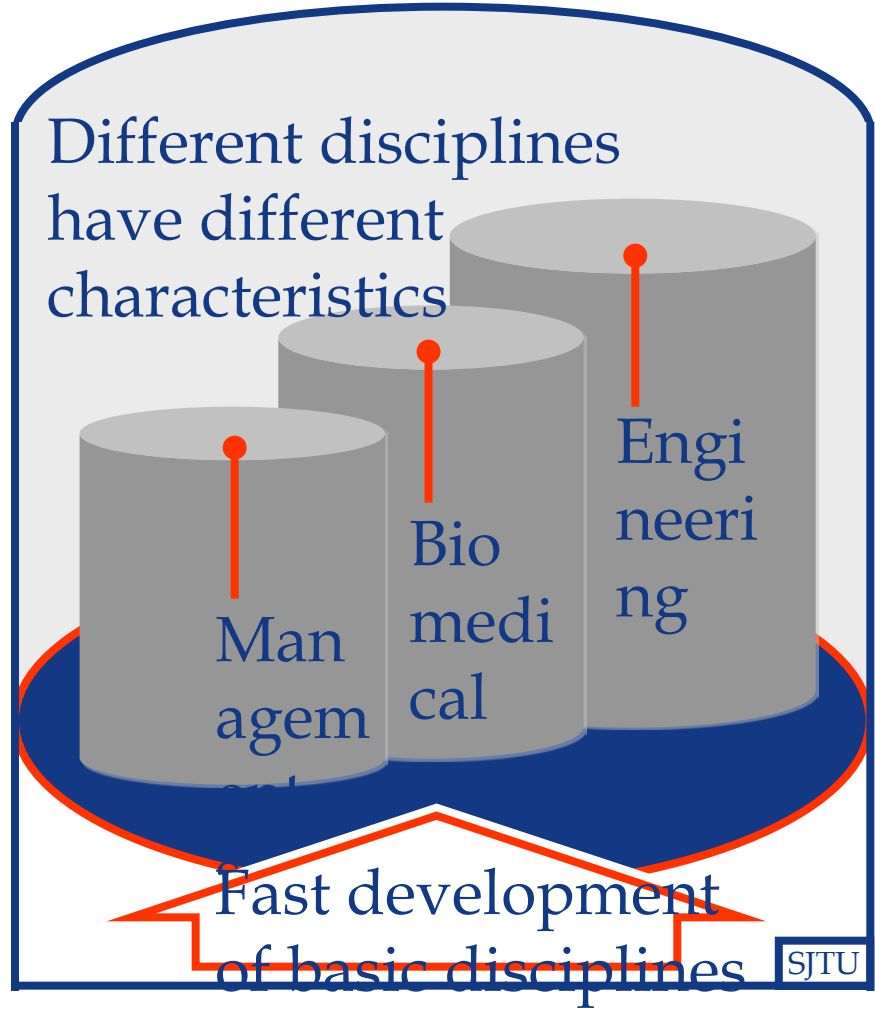
Criteria	Time	Number	Ranking in China
Academicians	At present	32	3
Thousand Talent Project	At present	39	1
'973' Chief Scientists	At present	23	3
NSFC grants	2010	647	1
Total Funding	2010	5.147 Billion RMB	4
Research Funding	2010	2.338 Billion RMB	3
SCIE Papers	2010	3296	2
SSCI Papers	2010	85	3
ESI Top1% Disciplines	At present	12	3
Quality of students at Entrance	2006-2010	Admission standards for science	3-4
National distinctive Ph.D dissertations	2010	5	3
Employment Satisfaction	2009	95%	1
Upper Fist-Class Affiliated Hospitals	At present	12	1



# Rapid Rise in the Last Decade

The layout for a comprehensive university has been set up

<b>Engineering</b>	Naval Architecture, Ocean and Civil Engineering, Environmental Science and Engineering, Electronic and Electric Engineering, Mechanical Engineering, Micro-Electronics, Materials Science and Engineering, Chemistry and Chemical Engineering
<b>Science</b>	Mathematics, Physics, Chemistry, Biology
<b>Biomedical</b>	Medical science, life sciences and technology, pharmaceuticals, Agriculture and biology
<b>Humanities</b>	Management, law, foreign languages Liberal arts, media and design, international and public affairs





# Faculty Development

	2006	Now	Increase Rate
Faculty in total 专任教师总数	2930	3130	6.83%
With PhD 拥有博士学位比例	55.1%	64.4%	16.9%
With overseas PhD 海外博士学位比例	5.9%	15.2%	157.6%
973 Principal Scientist 973首席科学家	11	23	100%
Yangtze Scholar 长江学者	48	92	91.7%
Outstanding Youth Fund Winner 杰出青年基金获得者	41	71	73.2%
NSF Innovation Research Group 国家基金委创新研究群体	2	4	100%
MOE Innovation Group 教育部创新群体	4	12	200%



# Absorbing Overseas Talents

## □ Deans returned from overseas

- Dean of School of Pharmacy – Ye Dequan
- Dean of KoGuan Law School – Ji Weidong
- Dean of Institute of Arts and Humanities – Liu Kang
- Dean of Shanghai Center for Systems Biomedicine – Shao Zhifeng
- Dean of School of Public Health – Zheng Zhijie
- Dean of Department of Physics – Ji Xiangdong
- Dean of Department of Mathematics – Jin Shi
- Deputy Dean of UM-SJTU Joint Institute – Robert Park
- Dean of School of Nuclear Science and Engineering – Cheng Xu



# Some examples



**Professor Parker**  
Fellow of the American  
Association for the  
Advancement of Science



**Professor Ni Jun**  
University of Michigan



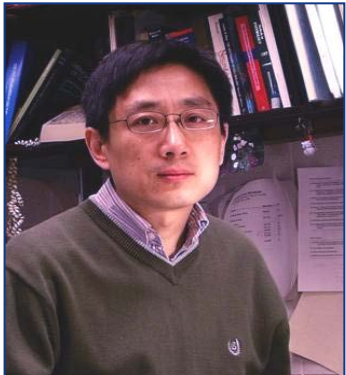
**Professor Hirano  
Shinichi**  
Nagoya University



**Professor Ni  
Mingxuan**  
The Hong Kong University of  
Science & Technology



**Professor Ji  
Xiangdong**  
University of Maryland



**Professor Shao  
Zhifeng**  
University of Virginia



**Professor Yang  
Guoyuan**  
University of California



**Professor Liu Kang**  
Duke University



**Professor Wang Jiang**  
Massachusetts Institute of  
Technology



**Professor Ji Weidong**  
Kobe University



# A Leader of Internationalization in China

## ④ Student international experience:

**40,000 students:**

**5,000 international students**

**29% have the experience of studying abroad**

**by 2020: studying abroad percentage will reach 50%**





# International Partners

Cambridge University  
Oxford University  
Imperial College  
Manchester University  
Nottingham University

TUM, UM  
Ruprecht-Karls-Universitaet Heidelberg  
Technische Universite Berlin  
Universitaet Stuttgart

Ecole Centrale de Lyon  
Ecole Centrale de Paris  
Ecole Centrale de Nantes  
Universite Paris X Nenterre La Defense  
Groupe des Ewles des Mines

NTNU  
University of Amsterdam  
TU Delft  
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Tokyo University  
Osaka University  
Kyoto University  
Nagoya University  
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National University of Singapore

University of Sydney  
University of New South Wales  
Adelaide University  
University of Queensland  
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University of Michigan  
MIT  
Columbia University  
Cornell University  
Purdue University  
Georgia Institute of Technology  
University of Maryland  
UC Berkeley  
UIUC  
UCLA  
USC

University of British Columbia  
Toronto University  
University of Montreal  
McGill University  
Ecole Polytechnique Montreal  
University of Waterloo  
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# **A Leader of Internationalization in China**

## **Success stories and future challenges**

**CEIBS: China European International Business School**

**SJTU – UM Joint Institute**

**SAIF: Shanghai Advanced Institute of Finance**

## **Some highlights:**

**high-level training in collaboration with MIT**

**low-carbon energy leadership;**



# International Platform

- ⊕ In 2009 , SJTU and other 6 leading technical universities founded a global technical university alliance, **Global Tech**, comprising **Imperial College London, CalTech, ETH Zürich, etc.**
- ⊕ A member of U21



Thank you!