Talent Education involving Alumni Network in USTC

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University of Science and Technology of China
Talent Education in USTC

Faculty Excellence

Alumni Network
Education Involving Alumni Network

- Donation to support education
- On-campus education
- Off-campus education
Alumni Donation to Support Education

Supporting faculties
- Chair professorship
- Teaching award (国学守望教学奖、瀚海航塔教学奖、西区精神教学奖)

Supporting students
- Guo Moruo scholarship (郭沫若奖)
- Love scholarship, etc.

Sponsoring activities
- Recruiting students
- Culture and sport activities
On-Campus Teaching: Science & Society – Freshman Seminars

Keynote lectures from top scientists and enterprisers:

- Science and technology in society development from a macro perspective
- Trend of science development
- Challenges in human sustainable development
On-Campus Teaching: Science & Society – Freshman Seminars

Alumni keynote speakers

Zihe RAO (饶子和), Professor of Biology, CAS Academician
“Technological innovation and innovation achievements”

Qingfeng LIU (刘庆峰), Chairman of iFLYTEK (科大讯飞)
“Innovation and entrepreneurship of artificial intelligence+ era”

Weiwu HU (胡伟武), CEO of LOONGSON (龙芯)
“Road for Autonomous CPU development”

Jin CHANG (常进), Professor of astronomy
“Detection of dark matter particles in outer space”
Off-Campus Education: Alumni Resources

➢ Over 20,000 alumni are working or studying outside China

Dr. Shanhui FAN
1988, 16 years old
IEEE Fellow
Stanford Professor

Dr. Liqun Luo
1981, 15 years old
NAS Academician
Stanford Professor

Dr. Yaqin Zhang
1978, 12 years old
Youngest IEEE fellow
Former Cooperate Vice President of Microsoft

Encourage USTC students for degree/exchange program
**Off-Campus Education: Study Abroad Program**

**Summer Research Internship**
- 6-10 weeks starting in July; 3rd year Junior;
- project list for professor-student match;
- local administration, culture activities (optional);
- USTC Scholarship (partial to full)

**Undergraduate Thesis**
- 4th year senior; 8th semester; project list for professor-student match; oral defense at USTC;
- local administration, culture activities (optional);
- USTC Scholarship (partial to full)

**Design Course/Study Tour/Summer Camp**
- Up to 2 weeks, flexible schedule setting; customized programs on negotiation;
- Conditional USTC scholarship (partial)

**Summer/Winter School**
- World-class Top 100 universities/institutions;
- up to 1 months; conditional credit recognition;
- Conditional USTC scholarship (partial)

**Semester Exchange**
- MOU-SEA based; tuition-waiver; maximum 2 semester; quota transfer for reciprocity;
- CSC funding opportunity;

**Dual Degrees Program**
- 3+2 Bachelor-Master Degree; self-funded by student;
- RA/TA position or tuition-waiver (optional);
- Course match and undergraduate thesis evaluation
2017: 607 students went to study abroad. 359 of them did summer intern, and 30% of their supervisors are USTC alumni.
The first USTC participant, Yanbin LI, was enrolled by Stanford U on 2013, and published a paper in Science on Li battery under the supervision of Prof. Yi CUI (崔屹, USTC alumnus, 9312)
Abroad Education: Alumni Resources in Japan
Abroad Education: Sakura Program

Provided by Alumni
➢ Cathay Tri-Tech
➢ IPFront
➢ Napson
➢ Nagoya University
➢ Tokyo University of Science, Suwa

9 Projects
29%

Number of exchange Students sponsored by SAKURU Science Plan

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<thead>
<tr>
<th>University</th>
<th>Number</th>
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<tr>
<td>USTC</td>
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<td>Dalian U of Tech.</td>
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<td>Tsinghua U</td>
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<td>Hunan U of Sci &amp; Tech</td>
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<td>Northeastern U</td>
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<tr>
<td>Beijing University</td>
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Highly anisotropic hybridization, dispersion, damping, and propagation of quantum plasmons in graphene superlattices

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Graphene superlattices have been extensively investigated and exhibit various emergent single-particle properties in addition to those of pristine graphene, yet to date, the collective plasmonic behaviors of the Dirac electrons in such systems remain largely unexplored. Here we use a microscopic description to explore the quantum plasmonic properties of one-dimensional graphene superlattices under physically realistic conditions. The emerging additional Dirac points at nonzero electron energies caused by the chiral nature of graphene carriers...
Yuan CAO (曹原)

2013: Summer Intern in Oxford

- Yuan worked with Prof. Yulin CHEN (陈宇林, USTC Alumnus) on ARPES measurement of topological quantum materials
- With the recommendation from Prof. Chen, Yuan got enrolled by MIT in 2014
THANK YOU