Regional Issues on Higher Education in Asia: An Example of USTC

Prof. Chen Chusheng
Vice President, USTC
March 12, 2018, Hong Kong, China
USTC: a Research University in Asia

**BASIC FACTS**
- Founded by CAS;
- 1,916 academic staff, 630 full professors, 48 academicians of CAS/CAE;
- 7,413 undergraduates; 14,592 graduate students; 3,885 PhD candidates;
- 18 Schools

**INTERNATIONAL REPUTATION**
- TOP 3 in Mainland China Best global universities U.S. News Rankings 2018
- TOP 3 in Mainland China THE Asia University rankings 2018
- TOP 100 QS World University Rankings 2017/18
Decrease of Interest in Studying Abroad at USTC

2015-2017 Study Abroad Destination
OF USTC Undergraduate Graduates
Development of USTC Undergraduate Summer Research Internship Program

- Partner with world-class universities and disciplines
- 6-10 weeks in July-August;
- 3rd year USTC Junior;
- Based on professor-student match;
- Focus on supervised research project experience;
- USTC financial support

Totality of USTC Undergraduate Mobility: 2014-2017
Story of Cao Yuan, USTC SCGY Alumni

2010  Admitted into USTC SCGY at the age of 14
2012  Summer research at the Univ. of Michigan
2013  Summer research at the Univ. of Oxford
2014  Admitted by MIT PHD program
2018  Two publications in a row at Nature in March

Novel electronic states seen in graphene

Unconventional superconductivity in

CONDENSED-MATTER PHYSICS

Novel electronic states seen in graphene

A simple system made from two sheets of graphene has been converted from an insulator to a superconductor. The finding holds promise for opening up studies of an unconventional form of superconductivity.

EUGENE J. MELE

In two papers in Nature, Cao et al.1,2 report the discovery of new electronic ground such forms of matter has been to restrict intralayer electron motion by applying a strong magnetic field4. This generates narrow electron energy bands (Landau levels) in which
Imbalanced Regional Distribution of Student Mobility

2017 USTC UNDERGRADUATE MOBILITY: HOST UNIVERSITY DISTRIBUTION

<table>
<thead>
<tr>
<th>Region</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.AME</td>
<td>359</td>
</tr>
<tr>
<td>EUR</td>
<td>88</td>
</tr>
<tr>
<td>Asia</td>
<td>40</td>
</tr>
<tr>
<td>AUS</td>
<td>70</td>
</tr>
<tr>
<td>HMT</td>
<td>32</td>
</tr>
<tr>
<td>OTHER</td>
<td>9</td>
</tr>
</tbody>
</table>

Imbalanced Regional Distribution

Japan: 27
South Korea: 3
Singapore: 10
SAKURA EXCHANGE PLAN IN SCIENCE AT USTC

JST SAKURA Exchange Program in Science is the program for enhancing exchanges between Asia and Japan of the youths who will play a crucial role in the future field of science and technology by facilitating short-term visits of competent Asian youths to Japan.

Top 10 SSP Sending Institutes in China

2014-2017: Number of Granted Projects

- Research Collaboration: 18
- Alumni network: 9
- University partnership: 5
THANK YOU!