

## **Proposal for 2016-2017 USTC Research Internship Program**

The University of Science and Technology of China (USTC) will offer 20 Research Training Awards to outstanding graduate students or 2<sup>nd</sup>/3<sup>rd</sup> Grade undergraduate students to its global partners to come to USTC during their summer break or winter break in 2016/2017, providing them with 6 weeks of intensive research training.

### **I. Background information**

The **USTC Research Internship Program** (USTC URIP) is established in 2015 as an important drive to enhance the international cooperation between USTC and its international partners by encouraging student mobility. The program is based on the successful cooperation between USTC and its strategic partners such as UWA, UCLA and Lehigh University.

### **II. Program Overview**

In the proposed program, each student will work either independently or as part of teams of undergraduate, graduate students and/or postdocs, and one or more professors from USTC, on a research topic matched to his/her particular interests. Students will develop important research skills. The research will build upon each student's prior coursework experience, and will stretch his/her understanding about their specific engineering or science discipline. For the six weeks of this enrichment program, the students will become fully-fledged members of the scientific team.

The program also focuses on cultural exchange – providing opportunities for the students to gain knowledge, appreciation and first-hand experience of Chinese culture, through personal work relationships, field trips, and other cultural enrichment experiences (both arranged by the program and in their own free time).

### **III. Program activities**

The students will work full-time during the week on their research projects for the 6 week program duration. At the conclusion of the program, students will make oral presentations on their work to be evaluated by their respective supervisors at USTC. Weekends could be spent with enrichment activities on optional basis, including trips to Beijing, Shanghai, Yellow Mountain, and Nanjing. One weekend is devoted to on-campus activities related to Anhui and Chinese culture. A brief language introduction is also included.

### **IV. Program objectives**

The objectives of the Program are:

1. To forge closer ties between USTC and its international partners;
2. To provide selected students with research training, in an internationally recognized research group within an English speaking environment at USTC
3. To encourage students to consider international research careers in science and technology, and to develop students' career potential
4. To facilitate cultural exchange and understanding of China through work relationships with Chinese students and faculty, and through visits to Chinese

historical / cultural sites.

## V. Program dates and schedule

The Program will run for 6 weeks in Session I and II respectively. Students are encouraged to choose whichever Session that suits their schedule.

Session I: December 4, 2016 to January 16, 2017 (tentatively)

Session II: June 25, 2017 to August 7, 2017 (tentatively)

The program for research activities is attached in Appendix I; the program for Chinese language and cultural activities will be provided separately.

## VI. Program procedure

### 1. Session I

Date	Activities
September 1, 2016	USTC opens call of application; Home University recommends students.
<b>October 7, 2016</b>	Deadline for partners to send recommended roster for winter session to USTC
October 21, 2016	USTC informs partners of the supervisor-student matching result; confirm with Australian partners of the accommodation type and program fees.
November 1, 2016	USTC sends out invitation letters to International Office of partners for students to apply for Chinese visa. Students contact USTC supervisors for pre-departure academic preparation and make arrangements for visa, air-ticket to Hefei, insurance.
December 4, 2016	Program begins.
January 16, 2017	Program finishes.

### 2. Session II

Date	Activities
September 1, 2016	USTC opens call of application; Home University recommends students.
<b>March 27, 2017</b>	Deadline for partners to send recommended roster for summer session to USTC.
April 17, 2017	USTC informs partners of the supervisor-student matching result; confirm with partners of the accommodation type and program fees.
May 1, 2017	USTC sends out invitation letters to International Office of partners for students to apply for Chinese visa. Students contact USTC supervisors for pre-departure academic preparation and make arrangements for visa, air-ticket to Hefei, insurance.
June 25, 2017	Program begins.
August 7, 2017	Program finishes.

## VII. Program costs and scholarship

The estimated total program expense (in US dollar) at USTC mainly includes:

Cost	Content
\$1200	Training and research expenses; coordinator and support; welcome & farewell function; Hefei Airport/Railway transfers; Chinese Language instruction and cultural seminar; volunteers to escort the educational trips
\$900	Accommodation and Meals (Students will be accommodated on USTC campus), incidental living cost; city transfer between Hefei and Shanghai, etc
\$1200	Educational trips to Nanjing, Huangshan, Beijing, Shanghai and in Hefei escorted by USTC volunteer-optional and flexible
Other	international travel, insurance, etc.

### 1. Cost

- Students and/or the Partners will cover the cost of \$900 for six week's accommodation and meals on campus.
- The cost of \$1200 dollars for educational trips is optional and flexible, based on whether the students will go on educational trips or how many places they would go.
- Students/partners are also responsible for international travel, insurance and other cost.

### 2. Scholarship

- USTC will provide each exchange student with a USTC-URIP scholarship of \$1200 to waive their tuition, research training expenses, courses on Chinese language and culture, cost of volunteers to escort the educational trips and administrative fee.
- USTC will also provide TWO slots for USTC Fellowship of RMB 4500 per student (RMB 3000 per month/student) to cover their local living at USTC.

### VIII. Selection Criteria and methods

- ▶ Outstanding academic achievement
- ▶ Mature character and high level of integrity
- ▶ Good intercultural communication skills

Interested students should submit their application package to their home universities and get recommended by their home universities to USTC. Appendix II demonstrates the receiving schools and departments at USTC.

### IX. Application Form

When submitting the application form, make sure you include the following documents. Please keep each document to one A4 page limit.

- ▶ Curriculum Vitae. This must include: a. Contact details, including email address; b. TOEFL or IELTS scores, if you are not native speakers of English (please include reading, writing, listening and speaking scores);c. any other necessary information.
- ▶ Statement of purpose. This should include but not limit to any relevant research experience that you have had, the reasons why you have chosen to work at USTC, your interested topic of research/study/ supervisors at USTC, and your future career aspirations.
- ▶ Academic transcript (this must include your GPA, your Major and/or Research direction)

**X. USTC Program contact**

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Appendix I:

DAY	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
SUN	ARRIVAL TO HEFEI AND USIC	EDUCATIONAL TRIP TO NANJING	EDUCATIONAL TRIP IN HEFEI	EDUCATIONAL TRIP TO BEIJING	REST DAY-OWN ACTIVITY	EDUCATIONAL TRIP TO YELLOW MOUNTAIN	EDUCATIONAL TRIP TO SHANGHAI
MON	ORIENTATION AND SETTLE-IN	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	EDUCATIONAL TRIP TO BEIJING	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	DEPARTURE BACK HOME
TUE	INTRODUCTION TO USIC SUPERVISORS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	
WED	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	
THU	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	PROJECT PRESENTATION & FAREWELL DINNER	
FRI	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	RESEARCH WORK AT RESEARCH CENTERS	EDUCATIONAL TRIP TO SHANGHAI	
SAT	EDUCATIONAL TRIP TO NANJING	EDUCATIONAL TRIP IN HEFEI	EDUCATIONAL TRIP TO BEIJING	REST DAY-OWN ACTIVITY	EDUCATIONAL TRIP TO YELLOW MOUNTAIN	EDUCATIONAL TRIP TO SHANGHAI	

**Appendix II**

**Program Budget**

<b>Program Cost to be covered by USTC</b>			
Projected Expenses	Cost Student	Per Days	Total
6-week USTC UVRP Program Fee (Tuition, Training & Research Expenses, administrative fee, local transportation, etc.,)			\$ 1200 (USTC URIP Fellowship)
Total			\$1200
<b>Program Cost to be covered by Students/Partners</b>			
Projected Expenses	Cost Per Student	Days	Total
Housing (Twin-sharing Hotel Room)*	\$12.5	42	\$525
Meals (USTC canteen) **	\$4/day	42	\$168
City transfer between Hefei and Shanghai (e.g. round trip rail transportation from Shanghai to Hefei)	\$120	1	\$120
Incidental living cost	\$50	1	\$50
Sub Total			\$863
5% Contingency			\$43
Total			\$900

**Program cost for educational trips-Optional and Flexible**

Projected Expenses	Total
Educational trips to Nanjing, Beijing, Yellow Mountain, Shanghai and in Hefei	\$1200

\* Housing cost might be subject to minor adjustment according to different living conditions.

## Appendix III

### USTC SCHOOLS

1	Chemistry and Materials Science
	– Department of Chemistry
	– Department of Chemical Physics
	– Department of Materials Sciences and Engineering
	– Department of Polymer Science and Engineering
2	Computer Science and Technology
3	Earth and Space Sciences
	– Department of Geochemistry and Environment Science
	– Department of Geophysics and Planetary Sciences
4	Engineering Science
	– Department of Modern Mechanics
	– Department of Precision Machinery & Precision Instrumentation
	– Department of Thermal Science & Energy Engineering
	– Department of Safety Science & Engineering
5	Information Science and Technology
	– Department of Electronics Science and Technology
	– Department of Automation
	– Department of Electronic Engineering and Information Science
6	Life Sciences
	– Department of Molecular and Cell Biology
	– Department of Neurobiology and BioPhysics
	– Department of System Biology
	– Department of Mod Biomedicine and Biotechnology
7	Management
	– Department of Management Science
	– Department of Management Science
	– Department of Statistics and Finance
8	Mathematical Sciences
9	Nuclear Science and Technology
10	Physical Sciences
	– Department of Physics
	– Department of Modern Physics
	– Department of Optics and Optical Engineering
	– Department of Astronomy

