



**Weekly Wire**  
**East Asia and Pacific**  
**National Science Foundation Tokyo Regional Office**  
**June 25, 2013**

**AUSTRALIA: National Science Week**

National Science Week is an annual activity that includes thousands of participants and more than 1,000 science-related events across the nation. This year's National Science Week will be held from August 10-18.

Individuals who wish to host a science event in their local community may apply for a grant of AU\$2,000-2,500 (US\$ 1,922-2,402).

<http://www.scienceweek.net.au/faq/>

**JAPAN: Comprehensive Strategy on Science, Technology and Innovation**

An NSF Tokyo Office report on the government's 'Comprehensive Strategy on Science, Technology and Innovation' may be accessed at: <http://www.nsftokyo.org/rm13-03.pdf>



**JAPAN: Doubling US-Japan Educational Exchange**

The US-Japan Conference on Cultural and Educational Interchange submitted to Prime Minister Abe a report recommending doubling the bilateral educational exchange between the US and Japan by 2020. The report sets a goal of sending 40,000 Japanese students to the US and 12,000 American students to Japan annually by 2020.

<http://culcon.jusfc.gov/news/culcon-releases-recommendations-to-double-student-exchanges-between-japan-and-the-united-states>

**JAPAN: 65 US Students in Japan for Summer Research Experience**

Sixty-five EAPSI-J awardees were among the 113 participants in the Summer Program-2013 opening event hosted by the Japan Society for the Promotion of Science (JSPS). JSPS annually runs the program, inviting graduate students from US, UK, France, Germany and Canada. All the students move to their individual host institutions for a 9-week research experience after a week-long group orientation at a site near Tokyo.

<http://www.jspso.go.jp/english/e-summer/index.html>

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5284](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5284)



**JAPAN: Pathway to University Positions in Japan**

The Japan Society for the Promotion of Science is continuing a program in 2014 that enables overseas researchers to conduct research at Japanese institutions for 12-24 months. This program is designed to lead to full-time employment at the host institution. The host institutions are prepared to employ the invited foreign researchers when the fellowship ends. This program was created to increase the number of foreign faculty members at Japanese universities. The application deadline for the 2014 cohort is September 2013.

[http://www.isps.go.jp/english/e-fellow/fy2013/appli\\_pathway\\_2013.html](http://www.isps.go.jp/english/e-fellow/fy2013/appli_pathway_2013.html)

### JAPAN: Robot that Measures Radiation

Honda and the National Institute of Advanced Industrial Science and Technology (AIST) jointly developed a robot to measure the radiation in the Fukushima nuclear power plant buildings that were damaged by the Tohoku Earthquake in 2011. The robot, a combination of an AIST-developed roller robot and Honda's arm robot, is 180 centimeters long and 80 centimeters wide, and weighs 1,100 Kg. It can move as fast as 2 kilometers per hour and climb over 6-centimeters via either optical-fiber or wireless remote control. The camera and dosimeter at the arm's tip measures radiation and takes pictures of the inside of the plant building. The arm can stretch as long as 7-meters.

Translation of a Nikkei article-June 18, 2013



### KOREA: Ranked 19<sup>th</sup> in the World for Mechanical Engineering

The Korean Advanced Institute of Science and Technology's (KAIST) Department of Mechanical Engineering ranked 19<sup>th</sup> in the 2013 Quacquarelli Symonds World University Rankings, which ties KAIST with the California Institute of Technology for the 19<sup>th</sup> slot.

[http://www.kaist.edu/english/01\\_about/06\\_news\\_01.php?req\\_P=bv&req\\_BIDX=10&req\\_BNM=e\\_d\\_news&pt=17&req\\_VI=4195](http://www.kaist.edu/english/01_about/06_news_01.php?req_P=bv&req_BIDX=10&req_BNM=e_d_news&pt=17&req_VI=4195)

<http://www.topuniversities.com/university-rankings/university-subject-rankings/2013/engineering-mechanical>

### SINGAPORE: New Technology for DNA Sequencing Analysis

Researchers at the Genome Institute of Singapore succeeded in cutting noise and generating a unified and simplified analysis of high-throughput biological data. The technique, known as a pre-whitening matched filter, is widely used in cell phones and radar, but was used for the first time for DNA sequencing analysis.

<http://www.a-star.edu.sg/?TabId=828&articleType=ArticleView&articleId=1831>