



Soft-landing Programme 軟著陸計劃

For Technology and Innovation Collaboration
促進轉移海外科研成果



Soft-landing Programme for Technology and Innovation Collaboration is launched in response to the growing interest of local industry looking for innovation and technology collaboration with technology transfer offices (TTOs) of renowned overseas and local universities, R&D institutes and industry associations.

iDeas for Tomorrow: Advanced Electronics and Green Technology Seminar

In the new kick-off of our program, researchers from University of Michigan, University of Chicago and Politecnico di Torino will share their innovative ideas in both Electronics and Green Technology fields. This event welcomes all industry players, investors, and academia. Don't miss your chance to explore new collaborations and network.

Wednesday, 13 April 2016 - Hong Kong

Location: Conference Hall 04-05, Lakeside 2, 10 Science Park West Avenue, Hong Kong Science Park, Sha Tin

Medium: English

Schedule:

09:45 - 10:00	Registration
10:00 - 12:00	Seminar Part I
12:00 - 13:30	Networking & Mingle Session*
13:30 - 15:00	Seminar Part II
15:00 - 17:00	One-on-one Business Matching Session

* Light lunch will be provided.

** Certificate of Attendance will be issued to full-day participants at the end of seminar on 13 April. Please indicate on registration form if you require one.

*** The programme may subject to change without prior notice.

Thursday, 14 April 2016 - Shenzhen

Location: Block D, 1/F, Productivity Building, Gaozin #2 Avenue (Middle), Shenzhen Science Technology Park, Nanshan

Medium: English with Mandarin interpretation

Time: 14:00 - 18:00

 **Free Admission
Register Now!**

Enquiry email: enquiry@hkstpssoftlanding.com

Tel: (852) 2629 6876 / 2629 6664

www.hkstpssoftlanding.com



Featured Technology Transfer Office:



Eric Ginsburg,
*Assistant Director,
University of
Chicago*



The University of Chicago One of the world's premier academic and research institutions, the University of Chicago has driven new ways of thinking since our 1890 founding. Today, UChicago is an intellectual destination that draws inspired scholars to campuses, keeping UChicago at the nexus of ideas that challenge and change the world. Generating new knowledge for the benefit of present and future generations, UChicago research has had an impact around the globe, leading to such breakthroughs as discovering the link between cancer and genetics, establishing revolutionary theories of economics, and developing tools to produce reliably excellent urban schooling.

Featured projects:



Dmitri Talapini,
*Professor of
Chemistry, University
of Chicago*



Colloidal Nanocomposite for Electronics Applications

Instead of commonly using silicon to produce semiconductor, Prof. Dmitri Talapin from University of Chicago turned the tables by making semiconductors out of nanocrystals. A resin-like "electronic glue" that connects the nanocrystals into large semiconductors that transmit electricity efficiently across many nanocrystals is the key to success. Making semiconductors out of nanocrystals allows the material to be handled as a liquid and brushed or sprayed onto a surface in the form of paint or ink. [Click here for more information](#)



Yu Kambe,
*PhD Candidate,
University of Chicago*

Hierarchical Patterns of Three Dimensional Block-Copolymer Films Formed by Electrohydrodynamic Jet Printing and Self-Assembly

A team of engineers at the University of Chicago has developed a new approach to the fabrication of nanostructures for the semiconductor and magnetic storage industries. The approach combines top-down advanced ink-jet printing technology with a bottom-up approach using self-assembling block copolymers that can spontaneously form ultrafine structures approximately 15 nanometers wide. The ability of fabricating nanostructures out of polymers and other "soft" materials has the potential to enable new classes of electronics, diagnostic devices and chemical sensors. Combining electrohydrodynamic jet printing with self-assembling block copolymers enables the high resolution. [Click here for more information](#)



**Andrea
Gulisano,**
*Executive Director,
Politecnico di Torino*



Wave for Energy: Ocean Wave Energy Converter System

Wave for Energy (W4E) is a spin-off from Politecnico di Torino. Born in 2010, this system aims on industrializing and commercializing wave energy converter systems. The patented technology, ISWEC (Inertial Sea Wave Energy Converter), is fully-enclosed and designed to obtain minimum environmental impact with a floating point to absorb architectures. W4E is deploying a 100 kW ISWEC machine in the Island of Pantelleria, Sicily. Since 2010, the company has been monitoring the wave climate. After lab and real field operations, the ISWEC100, as a demonstrator of the ocean wave technology, is fully operated in March 2015. [Click here for more information](#)



Amin Karami,
*Assistant Professor,
University of
Michigan*



Energy Harvesting for Medical Devices

There has been a significant breakthrough in the ability to harvest and store energy generated by the body to power implantable medical devices. Researchers at University of Michigan utilize this new technology to integrate into existing pacemaker platforms to generate continuous power. Combining the principles of micro electro-mechanical systems with a novel design, this self-powering pacemaker can capture the energy generated by the movement of heart tissue. The ability to power the pacemaking devices without the need for replacement batteries is now possible with this technology. [Click here for more information](#)

Small Size, Wide Band, Low Frequency Energy Harvesting

Researchers at University of Michigan keens on harvesting and storing the energy generated on the micro scale. This new technology can be integrated into existing devices that require either component level power sources or continuous low power system energy. Combining the principles of micro electro-mechanical systems with a novel design, the energy generated can be captured by movement as small as even the vibrations of a heartbeat. The ability to integrate a self-powering battery into one of the most common used hardware, the mobile phone, can now be possible with this technology. [Click here for more information](#)

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