

# Soft-landing Programme

For Technology and Innovation Collaboration



Sponsor



Supporting Organisation

Organiser



Hong Kong 香港科技園  
Science & Technology Parks



## Soft-landing Programme Technology-Industry Matching Seminar: International Consumer Electronics Innovations (6-10 July)

### (1) Overview of the Programme

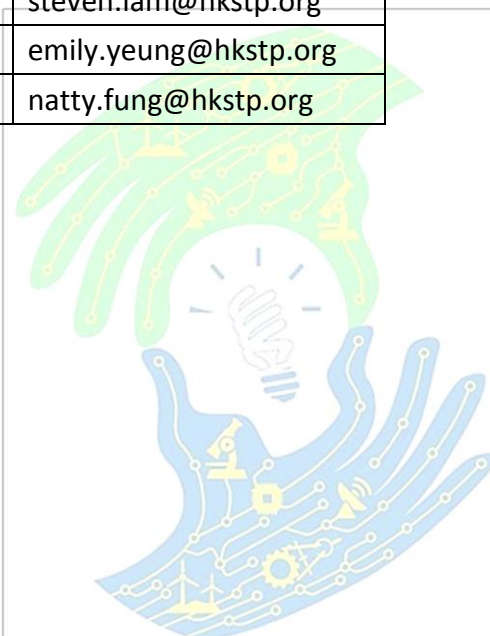
With the support of Innovation and Technology Commission, Soft-landing Programme for Technology and Innovation Collaboration is launched in response to the growing interest of technology transfer offices (TTOs) of renowned overseas and local universities and research institutes looking for R&D and technology-related project collaborations in Asia, especially in Hong Kong and the mainland China. This 2-year programme is open to all TTOs, their spin-off or start-up technology companies. The Programme will also serve as a distinguished platform for TTOs to set up strategic outposts in Hong Kong and foster collaboration between academia and industry for the adoption of new technology.

### (2) Objective of the Programme

- To attract overseas participants to promote their technology and innovation in Hong Kong;
- To facilitate overseas participants to set up strategic outposts in Hong Kong by offering them resources and supports;
- To foster collaboration between academia and industry for the adoption of new technology through match-making services;
- To enable local industry to collaborate in innovation and technology development with local and overseas TTOs; and
- To promote Hong Kong as the innovation and technology hub in Asia for commercialization of research outputs due to its proximity to the markets

### (3) Project Team

Name	Title	Telephone No.	Email Address
Mr. Steven Lam	Project Manager	+852 2629 6805	steven.lam@hkstp.org
Ms. Emily Yeung	Project Officer	+852 2629 6729	emily.yeung@hkstp.org
Ms. Natty Fung	Project Officer	+852 2629 6876	natty.fung@hkstp.org



#### (4) Programme Itinerary



Hong Kong 香港科技園  
Science & Technology Parks

### 6 July, 2014: Delegation arrive Hong Kong

Hotel check-in: **Royal Park Hotel** (<http://www.royalpark.com.hk/hongkong/eng/index.html>)

Address: 8 Pak Hok Ting Street, Shatin, Hong Kong

Tel: +852 2601 2111 Fax: +852 2601 3666

#### **Map & Directions:**

With the adjacent MTR Shatin station, the Hotel is only 45 minutes from the Hong Kong International Airport. The Hotel is connected with Shatin New Town Plaza, a lively shopping and entertainment venue of 2 million square feet with over 400 shops.



#### **i) Hotel Airport Shuttle Service / Public Bus**

Hotel airport shuttle service is available at HK\$160 per person per way. Please click to see [schedule](#) and [pickup point location map](#). Public Airport Bus [no. A41](#) goes from the airport to New Town Plaza in Sha Tin, for HK\$22.3 per person per way.

#### **ii) Taxi**

The charge is approximately HK\$300 per car per trip including tolls, excluding levy for luggage. Kindly approach taxi stand located outside Arrival Hall at the Hong Kong International Airport.

#### **iii) Airport Express**

Take Airport Express from Hong Kong International Airport to Tsing Yi Station at HK\$60 per person per trip, followed by public taxi from Tsing Yi Airport Express Station to the hotel, which costs approximately HK\$130 per car per trip.

### 7 July, 2014: Visit Hong Kong Science & Technology Parks Corporation

12:15 Meet in hotel lobby (Contact: Ms. Emily Yeung, Tel: +852 2629 6729)

12:30 Welcome lunch with HKSTPC representatives

*List of HKSTPC representatives:*

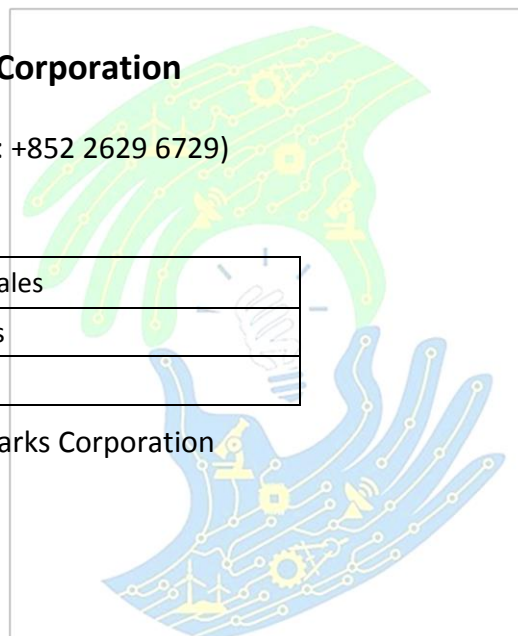
Mr. Andrew Young	Vice President, Marketing & Sales
Mr. Peter Mok	Head, Incubation Programmes
Mr. Steven Lam	Project Manager

14:00 Introduction of Hong Kong Science & Technology Parks Corporation

15:00 Tea Break

15:15 Laboratory Tour

16:30 End of visit





## **8 July, 2014: Seminar & Match-making Session in Hong Kong**

- **Objective:**  
For project representatives to present their technology to local industry and explore business collaboration opportunities they are looking for in Asia/Hong Kong
- **Technology-Industry Matching Seminar (09:15-12:30)** [To be attended by 50-70 industrialists]  
Venue: Lecture Theatre, 1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong  
**\*\* 25 mins for each presentation and 5mins for Q&A \*\***

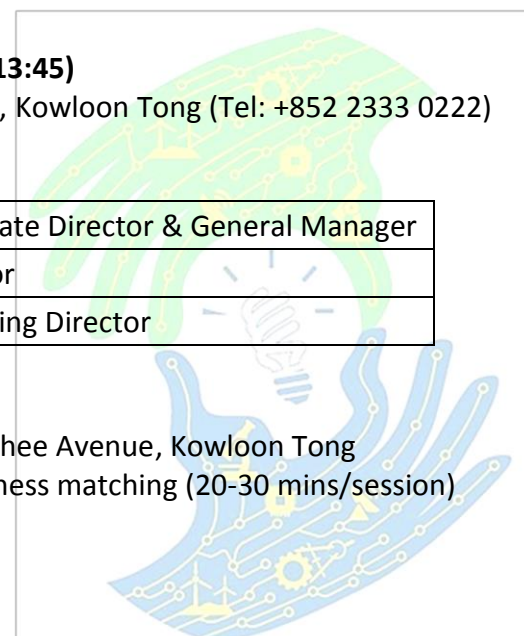
8:30	Meet in hotel lobby
9:15	Opening
9:30	<b><i>Cable Free Connections for Power and Data Transfer</i></b> Dr. Chris Stevens, Associate Professor, University of Oxford
10:00	<b><i>Ultra-high-speed Electrical Drive Systems</i></b> Mr. Martin Bartholet, Managing Director, Celeroton AG, Spin-off of ETH Zurich
10:30	<b><i>Home Monitoring System for Sleep Apnea</i></b> Dr. Hisham Alshaer, Chief Scientist Mr. Promise Xu, Business Development Officer iDAPT Somno Inc. and Toronto Rehabilitation Institute, University Health Network
11:00	Tea Break
11:30	<b><i>Flexible Transparent Conductor</i></b> Dr. Andrew Watt, Associate Professor, University of Oxford
12:00	<b><i>Micro and Nano Energy Harvesting</i></b> Prof. Caterina Petrillo, Director of Physics Department Dr. Helios Vocca, Assistant Professor, N.i.P.S. Laboratory, Physics Department University of Perugia
12:30	End of Seminar

- **Networking Lunch with the Programme Panel Members (12:30-13:45)**  
Venue: Jasmine, Shop 25, G/F, Festival Walk, 80 Tat Chee Avenue, Kowloon Tong (Tel: +852 2333 0222)

### *List of Panel Members:*

Dr. KM Chow	Automatic Manufacturing Ltd.	Corporate Director & General Manager
Dr. Daniel Yip	G.E.W Corporation Ltd.	Director
Mr. Raymond Chan	Jing Mei Industrial Holdings Ltd.	Managing Director

- **Match-making Session (14:00-16:30)**  
Venue: Room 101, 102, 103,104, 120,1/F, HKPC Building, 78 Tat Chee Avenue, Kowloon Tong  
Arrangement: 1-on-1 meeting with individual companies for business matching (20-30 mins/session)
- **Visit Hong Kong Productivity Council (16:30-17:30)**





## 9 July, 2014: Seminar in Shenzhen

- **Transfer from Hong Kong to Shenzhen**

10:30 Check-out and meet in hotel lobby. Transfer from Hong Kong to Shenzhen.

- **Technology-Industry Matching Seminar in Shenzhen (14:00 – 18:00)**

**\*\* 40 mins for each presentation including interpretation and 5 mins for Q&A \*\***

13:55 Opening

14:00 ***Cable Free Connections for Power and Data Transfer***

Dr. Chris Stevens, Associate Professor, University of Oxford

14:45 ***Flexible Transparent Conductor***

Dr. Andrew Watt, Associate Professor, University of Oxford

15:30 ***Home Monitoring System for Sleep Apnea***

Dr. Hisham Alshaer, Chief Scientist

Mr. Promise Xu, Business Development Officer

iDAPT Somno Inc. and Toronto Rehabilitation Institute, University Health Network

16:15 Tea Break

16:30 ***Micro and Nano Energy Harvesting***

Prof. Caterina Petrillo, Director of Physics Department

Dr. Helios Vocca, Assistant Professor, N.i.P.S. Laboratory, Physics Department

University of Perugia

17:15 ***Ultra-high-speed Electrical Drive Systems***

Mr. Martin Bartholet, Managing Director, Celeroton AG, Spin-off of ETH Zurich

18:00 End of Seminar

- **Stay overnight in Shenzhen**

Hotel: **Shenzhen L'Hermitage Hotel** (<http://www.lhermitagesz.com/en/index.aspx>)

Address: 3031 Nanhai Blvd., Nanshan District

Tel: +86-755-86378888

## 10 July, 2014: Factory Visits in Shenzhen

9:30 Check out and meet in hotel lobby

9:45-11:00 **Visit ARTOP Group**

ARTOP Design Building (T), Industrial Design Park, No.3838 Nanshan Road, Nanshan, Shenzhen, China

11:00-11:45 Transfer to Dongguan

11:45-13:00 Lunch

13:00-14:30 **Visit HITOP Industrial Ltd.**

No.63 East Zhenan Road, Xiaobian Changan Town, Dongguan, China

14:30-17:00 Transfer to **MTR Kowloon Station, Hong Kong** (Elements Shopping Mall)

17:00 End of the Programme





## (5) Speaker Biography

### **Celeroton AG (Spin-off of ETH Zurich)**

#### **Dr. Martin Bartholet, Managing Director and Co-Founder**

Martin received his M.Sc. and Ph.D. degrees in electrical engineering from the Swiss Federal Institute of Technology (ETH) Zurich, Switzerland in 2004 and 2008, respectively. He broadened his engineering as well as business skills with studies at Chalmers University in Gothenburg, Sweden and the Babson College in Boston, US. During his Ph.D. studies, he performed research on magnetically levitated motors and pumps for the semiconductor industry. Since the foundation of Celeroton in 2008 he is responsible for Business Development, Finance, Marketing and Sales.

### **iDAPT Somno Inc. and Toronto Rehabilitation Institute, University Health Network**

#### **Dr. Hisham Alshaer, Chief Scientist**

Dr. Alshaer is a medical doctor and a PhD in biomedical engineering with expertise in sleep research. He is the primary inventor of ApneaDx, and has been awarded numerous academic and entrepreneurial awards such as the Paul B Madsen Award by the Institute of Biomaterials and Biomedical Engineering at the University of Toronto.

#### **Mr. Promise Xu, Business Development Officer**

In addition to his Bachelor of Business Administration in Management and IT from the University of Toronto, Promise has broad experience in business management, marketing, public relations, human resources, legal and regulatory affairs and intellectual property. He is Commercialization Officer at the Toronto Rehabilitation Institute and President at Celestial Vault Media and has worked at Sanofi Pasteur.

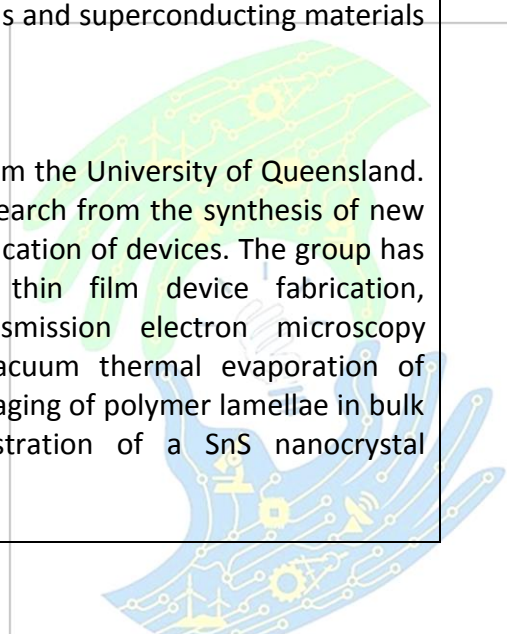
### **University of Oxford**

#### **Dr. Chris Stevens, Associate Professor in Engineering Science**

Dr. Stevens originally qualified as a Physicist in 1994 and moved to Engineering in 1998 with a Royal Academy of Engineering Senior Research Fellowship. Since 2000 he has been a fellow of St Hugh's college and a fellow in Engineering Science. He teaches a wide range of subjects in electronics and electromagnetics along with courses on advanced quantum materials and superconducting materials and devices.

#### **Dr. Andrew Watt, Associate Professor in Materials**

Dr. Watt holds an MSc from Imperial College London and a PhD from the University of Queensland. Currently he leads a group of 14 scientists on energy materials research from the synthesis of new nanomaterials through to the fabrication, characterization and application of devices. The group has considerable experience in the synthesis of nanomaterials, thin film device fabrication, optoelectronic materials characterisation and advanced transmission electron microscopy techniques. Recent highlights include, the demonstration of vacuum thermal evaporation of conducting polymers for solar cells, the first high resolution TEM imaging of polymer lamellae in bulk heterojunction photovoltaic devices, and the initial demonstration of a SnS nanocrystal heterojunction thin film photovoltaic devices.





## University of Perugia

### **Prof. Caterina Petrillo, Director of Physics Department**

A physicist by training, she began her research career in experimental condensed matter physics, initially focused upon the study of electronic structure and vibrational dynamics of metal systems, and more recently concentrated on the dynamics of complex systems like confined and low-dimensionality water. Her experimental approach largely benefitted of neutron and X-ray scattering techniques available at the large-scale facilities, where she also contributed to design and construction of neutron instruments and components (PRISMA@ISIS, BRISP@ILL, IN4C@ILL). She shared responsibilities for planning neutron research activities at the high flux reactor of the ILL (FR) within the mission of the Italian Institute for the Physics of Matter (INFM) (1999-2004). As a well-known scientific representative of the large-scale facilities user community, in 2007 she was appointed by the Italian Ministry of Research as Italian Delegate at the Programme Committee Research Infrastructures of the Framework Programme 7th of the European Commission. In recent years, she assumed managerial and political responsibilities in science, focusing upon large-scale central facilities for materials research, promoting the preparation of the first Italian Roadmap of Research Infrastructures of pan-European interest, and advising on the financial schemes to be supported by the Italian Government to ensure the participation of the Italian scientific communities to international research infrastructures. She is a member of several scientific advisory and governing bodies at international level, both as a scientific expert and as a representative of the Italian Ministry of Research. She has been a member of the SAC of the ESRF in the period 2006-2011, as well as of the ESFRI expert group on the perspectives of large-scale facilities for condensed matter physics in Europe since 2005. She was a member of the Steering Committee of the ILL (2002-2009) and represents Italy at the Steering Committee of the European Spallation Source ESS (Lund, Sweden) since 2011. She has a broad experience of global facilities and the strategies to get them supported.

### **Dr. Helios Vocca, Assistant Professor, N.i.P.S. Laboratory, Physics Department**

His research interests are focused on the role of noise and fluctuations in physical systems. From this point of view he has developed studies in a wide range of topics as diverse as the detection of gravitational waves and energy harvesting from vibrations. Since its foundation (in 1999) he is a member of the Noise in Physical Systems Laboratory (NIPS) at the Department of Physics of the University of Perugia, directed by Prof. L. Gammaitoni. For the role of noise in limiting the sensitivity of gravitational wave detectors, he attended (since 1999) the French-Italian Virgo project in which he leads the research group of Perugia and an international research team aimed at minimizing the effects of thermal noise on the optical elements. He participated in several European Projects led by the NIPS Laboratory on energy harvesting and smart ICT. In 2004 (together with Prof. L. Gammaitoni) he developed a generator of new concept for the micro-powering of electronic devices exploiting the vibrational noise environment using non-linear piezoelectric oscillators. In 2006 they founded the Spin-off Wisepower srl of the University of Perugia in Italy, dedicated to the design and prototyping of micro power generators for mobile communications and in 2009 (together with Dr. Joseph Kovalik from JPL) they founded Wisepower Corp. in Arcadia, California. He is author of more than 200 scientific publications and 6 patents.



## (6) Introduction of Visiting Organisations

### **Hong Kong Science & Technology Parks Corporation (HKSTPC)**

Hong Kong Science and Technology Parks Corporation is a statutory body set up by the Government of the Hong Kong Special Administrative Region. HKSTPC provides innovative and technology driven infrastructure and support facilities which includes market focused clustered laboratory services enabling Hong Kong industries and services to be more competitive; provides a full-service incubation programme for technology and design start-ups; and fosters partnerships and collaboration between industry and universities/applied research institutes through consulting, training and research programmes. HKSTPC offers advanced facilities and support services for high technology companies that include an IC Design Centre, an IC Development Support Centre, a Materials Analysis Laboratory, a Wireless Communications Test Laboratory, an Intellectual Property Servicing Centre, a Solar Energy Technology Support Centre and a Biotech Centre. HKSTPC is devoted in transforming innovation and technological advancement into value creation that benefits Hong Kong, mainland China and the world.

([www.hkstp.org](http://www.hkstp.org))

### **Hong Kong Productivity Council (HKPC)**

Hong Kong Productivity Council is a multi-disciplinary organization established by statute in 1967. HKPC's mission is to promote productivity excellence through the provision of integrated support across the value chain of Hong Kong firms, in order to achieve a more effective utilization of resources, to enhance the value-added content of products and services, and to increase international competitiveness.

([http://www.hkpc.org/index.php?option=com\\_content&Itemid=55&lang=en](http://www.hkpc.org/index.php?option=com_content&Itemid=55&lang=en))

### **ARTOP Group (AG)**

ARTOP Group is an industrial design company based in Hong Kong and in the dynamic Chinese cities of Mainland China: the two are integrated to create a stronger synergy in a partnership geared for global business. AG has been developing and expanding its design and production facility for the past 15 years. AG was founded almost one and a half decade ago and has been successful in building its core competencies in a complete design chain “innovation to integration” system to provide world class advantages and high-end value added products and services for our customers globally. The core frame for AG is built around its operation centre, project centre and brand integration centre.

(<http://www.artopgroup.com>)

### **HITOP Industrial Ltd.**

Hitop is an ISO 9001:2000 certified, privately owned mold manufacturer with a state-of-the-art production plant in China. Hitop gives you the benefits of lower costs coupled with the high engineering and production standards expected in the European and North American. The ability to produce products at the highest international standard, strong engineering and design capability, fluent English communication skill, aggressive lead time, competitive price and business integrity continues to be the successful factor of Hitop.

(<http://www.hitopmold.com>)

