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Headlines

p02

OSCAR at Advances in Displays
Workshop (ADW) 2018

p03

OSCAR Annual
Meeting

p04

OSCAR on
Twitter

p05

Visits to OSCAR

p07

Neighbours of
OSCAR

p08

Nanyang Innovation
Center Opened in
Suzhou Industrial Park

p09

SIP News in December

p09

SIP Port Comes into
Formal Operation

p10

China's First Anti-CRC
Drugs Come into
Market

p12

Suzhou Industrial Park
atop MOFCOM's List
of NETDZs



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OSCAR at Advances in Displays Workshop (ADW) 2018

On 3-4 December 2018, the Advances in Displays Workshop was held in Hong Kong. OSCAR's Dr Jingsong Huang was invited to give a talk.

The Advances in Displays Workshop was hosted by the Hong Kong University of Science and Technology and Hong Kong Science Park. The purpose of the event is to promote and strengthen collaboration between scientists and young researchers from universities and industries in the fields of display technology and its applications. The Workshop shares the latest research developments in a wide range of display technologies, including flexible displays, organic displays, micro-LED displays, liquid crystal displays, and the development of display backplanes such as low temperature polysilicon thin film transistors, oxide thin film transistors, organic transistors, and other Nano-technologies for displays.

Dr Jingsong Huang, senior research scientist in OSCAR, delivered an invited talk with the title 'Flexible Display – the Science and Application of Soluble Semiconductors'. Below cited is the abstract:

Organic electronics has catalyzed a revolution in the electronics industry. Solution processable organic conductors and semiconductors are capable to replace vacuum deposited metal and organic counterparts. It will lower capital and operational costs, broaden and simplify the manufacturing methods, such as simple printing process performable at low temperature in ambient atmosphere, and can achieve applications as electronic devices that are beyond the scope of conventional devices. This talk will provide an overview of the current state and derived micro-/nano- manufacturing technology.

More information can be found at: <http://pgws2018.ust.hk/>



L-R Prof Ian Underwood, Dr T.I.Lin, Prof Abhishek Srivastava, Dr Jingsong Huang, and Prof Hoi.S.Kwok



Dr Jingsong Huang delivering a talk

Speakers

1. Prof. Ian Underwood, The University of Edinburgh
2. Dr. T. I. Lin, Jasper Display
3. Dr. Jingsong Huang, Oxford Suzhou Centre for Advanced Research
4. Prof. A. K. Srivastava, The Hong Kong University of Science and Technology

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OSCAR Annual Meeting

On 21 December, OSCAR held an annual meeting to reflect upon its 2018 performance and to make 2019 working plans.

General Manager Leah He delivered a report to the OSCAR staff, including discussion of the initial establishment of OSCAR, the fit-out construction, the internal policies, the recruitment process and progress and external cooperation developments. With this, all the staff were given a holistic picture of what OSCAR has achieved in 2018 and which direction OSCAR is heading in.

Dr Weizhi Liu, Dr Yang Yang, Dr Jingsong Huang, and Dr Yun Wang reported on what they have achieved since coming on board. Most importantly, they shared their research with the other staff to deepen everyone's understanding of OSCAR's diverse research projects.

Finally, the Finance Department, Building and Facilities Department, OSCAR-JITRI Fellow and the Office Management Department also summarized their work and stated their daily responsibilities.



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OSCAR on Twitter



In conjunction with the Joint Commission (annual UK-China Science Ministers meeting), a series of tweets to promote UK-China scientific collaboration from the UK Embassy twitter account were planned. Consul of Science & Innovation of British Consulate General Shanghai, Gareth Taylor, offered to promote OSCAR as one more example of deepened UK-China cooperation on twitter.

The tweet reads that 'In 2018 the Oxford Suzhou Centre for Advanced Research (OSCAR) opened in China. It is the University of Oxford's first overseas centre for physical science and engineering research. The centre will build capacity to provide technological solutions to global challenges, with research clustered across Biomedical Engineering and Healthcare, Environment and Biotechnology, Nanotechnology and Functional Materials.'

To find out more:

<https://twitter.com/uksinet/status/1069500641209475072?s=21>



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Visits to OSCAR



On 5 December, a delegation of China Resources Life Science Industry Development Co., Ltd. visited OSCAR. Dr Weizhi Liu introduced OSCAR Principal Investigators (PIs) and their research. Jianguo Yan (Chairman of the Company) showed great interest in potential collaboration with OSCAR in environmental engineering.

On 7 December, Hao Hong, deputy director of Talent Division of Jiangsu Provincial Department of Organization, visited OSCAR and was received by the Office Manager and Dr Weizhi Liu to understand OSCAR's initial development and global recruitment.



On 11 December, the Nanyang Innovation Center was established in Suzhou Industrial Park, focusing on Artificial Intelligence, Biomedicine, Environmental Protection and New Energy. After the opening ceremony, a Nanyang Technological University (NTU Singapore) delegation visited OSCAR. Board Member of NTU Singapore Mr. Xiaosi Lian (L5) showed great interest in potential collaboration with OSCAR.



On 18 December, the Executive Director Michael Milne and Operation Manager Judy Deng of the University of Sydney Centre in China visited OSCAR to exchange management experience and to explore cooperation possibilities. The University of Sydney Centre in China is a neighbour of OSCAR located in Suzhou Industrial Park and connects its researchers and students to China by providing a platform to create networks. To find out more: <http://sydneyuniversity.cn/about/support-collaboration/>

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Neighbours of OSCAR



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Nanyang Innovation Center Opened in Suzhou Industrial Park



On 11 December, Nanyang Innovation Center held its opening ceremony in Suzhou Industrial Park (SIP). It was the platform of Nanyang Technological University (NTU) to provide a service for NTU teachers and students in terms of innovation projects landing in China, international technology transfer and industrial and research cooperation.

'In 2018, NTU was placed 12th globally in the Quacquarelli Symonds (QS) World University Rankings. It was also ranked the world's best young university (under 50 years old) by QS for the fifth consecutive year. In addition, NTU was named the world's fastest rising young university by Times Higher Education in 2015. In engineering and technology, NTU is ranked 5th worldwide in the QS World University Rankings by Subject 2018. With six schools, NTU's College of Engineering is among the top nine globally for research output and the 5th most cited in the world (Essential Science Indicators 2017).' Quoted from <https://www.ntu.edu.sg/AboutNTU/CorporateInfo/Pages/Intro.aspx>



SIP News in December

SIP Port Comes into Formal Operation

SIP Port, which started a trial run in May 2017, came into formal operation on 11 Dec. A barge carrying 64 ISO containers set off from the port on the same day for a 14-hour journey to the Port of Shanghai for transshipment to overseas destinations, marking the beginning of a water transport network between SIP and Shanghai.



The 19-hectare port, costing nearly RMB 550 million, boasts eight 1,000-ton terminals offering integrated logistics services, with designed annual throughput of 2.2 million tons of cargo and 250,000 TEUs. It is hailed as the largest inland port in Jiangsu province.

The port runs both domestic and foreign trade routes connecting with the Port of Shanghai, with three sailings per week planned and the possibility of more in the future.



At the opening ceremony, Shanghai International Port (Group) Co., Ltd. which operates all the public container and bulk terminals at the Port of Shanghai signed an MOU with the authority of SIP High-end Manufacturing and International Trade Zone to enhance cooperation in logistics. Based on the MOU, barges serving between SIP Port and the Port of Shanghai can enjoy a package of privileges including priority for berthing at the Port of Shanghai.

"The ship routes help avoid congestions that frequently happen in road transportation and reduce logistics cost by about RMB 200 per TEU," said Liu Zhigang, deputy general manager of Samsung Electronics (Suzhou) Co., Ltd., one of the first companies to enjoy the services at the port.

Quoted from http://www.sipac.gov.cn/english/news/201812/t20181212_947769.htm

China's First Anti-CRC Drugs Come into Market

Hutchison MediPharma (Suzhou) Co., Ltd., a drug maker founded in SIP's BioBay in 2012, recently put to market Fruquintinib drug, known as China's first anti-colorectal cancer (CRC) drugs. The drug has been made available at 68 drugstores across the country, including one in Suzhou.

The new medicine, a highly selective and potent small molecule oral inhibitor of vascular endothelial growth factor receptors, targets people with advanced CRC which reportedly kills nearly 700,000 people worldwide each year. Clinical trial data suggest that it can help extend patients' life by up to 40.5 months.

The capsules are priced lower than their imported counterparts and the company plans to launch a program to donate drugs to patients who cannot afford treatment costs and is striving to make the medicine covered by the national medical insurance system so that it can benefit more people.



Moreover, the company is working on possibilities of using the medicine for treatment of other cancers. A project targeting stomach cancer has gone into Phase III clinical trial. The company is also joining hands with a local biotech company to develop combined therapies.

Quoted from http://www.sipac.gov.cn/english/news/201812/t20181205_941186.htm





Suzhou Industrial Park atop MOFCOM's List of NETDZs

The Ministry of Commerce (MOFCOM) of China recently released the results of its evaluation of 219 National Economic and Technological Development Zones (NETDZs) in the country. Suzhou Industrial Park (SIP) retains the top spot for the third straight year in comprehensive evaluation and stands at the first place in terms of industrial foundation and foreign trade.

It is reported that the comprehensive evaluation took into consideration industrial foundation, science and technology innovation outcomes, regional influence, performance in environmental protection and administrative services. SIP took a leading position in all of the five indexes and demonstrated strong ability for a high-level sustainable development.

From http://www.sipac.gov.cn/english/news/201812/t20181231_965726.htm

