

Seminar on Nanoelectronics: Growth, deposition, etching

11-12th March 2011

Presented by:

*Institute of Semiconductors Chinese Academy of Sciences (IOS) &
Oxford Instruments Plasma Technology*

Venue: **Xi-Jiao hotel, Haidian District, Beijing**

Agenda

11th March 2011

10.00 – 10.15	Welcome Coffee	
10.15-10.30	Introduction	<i>Mark Vosloo / Jeffrey Seah, Oxford Instruments</i>
10.30 – 11.00	Welcome by IOS Semiconductor micro-and nano- technology application in IOS	<i>Prof. YANG Fuhua, Institute of Semiconductors, CAS</i>
11.00 – 11.30	Si Etching review	<i>Robert Gunn, Oxford Instruments</i>
11.30 – 12.00	III/ V Etching Overview	<i>Dr Ligang Deng, Oxford Instruments</i>
12.00 – 13.00	Lunch	
13.00 – 14.00	Fabrication of Dielectric Coatings using Optofab3000 Ion Beam Sputtering Deposition System	<i>Dr. WANG Xiaodong, Institute of Semiconductors, CAS</i>
14.00 – 14.30	The application of ICP dry etching in the fabrication of novel semiconductor optoelectronic devices	<i>Dr. HAN Yanjun, Tsinghua University</i>
14:30 - 15:00	ALD overview	<i>Dr Qi Fang, Oxford Instruments</i>
15.00 – 15.30	Nanoscale etching	<i>Deirdre Olynick, Molecular Foundry, LBNL, CA USA</i>
15.30 – 16.15	Round table question and answer discussion on III-V etch, Si, SiO ₂ etch, PECVD dep, ALD dep	<i>Chair: Robert Gunn, Oxford Instruments, with Dr Ligang Deng, Dr Qi Fang and Jada Wang (Oxford Instruments) & Guest speakers</i>

Agenda

12th March 2011

9.00 – 9.30	ICP CVD/PECVD	<i>Bob Gunn, Oxford Instruments</i>
9.30 – 10.00	III-V Compound Semiconductor Dry Etching using Plasmalab System100	<i>Dr. FAN Zhongchao, Institute of Semiconductors, CAS</i>
10.00-10.30	Nanofabrication by ICP-RIE etching ICP-RIE	<i>Dr. XIA Xiaoxiang, Institute of Physics</i>
10.30-11.00	Talk to be confirmed	<i>Guest speaker from Europe</i>
11:00 – 12.30	IOS Cleanroom tour	<i>Organised by the hosts, IOS</i>
12.30 – 13.30	Closing remarks/Questions/Lunch	

To make a booking or for further information on this seminar please contact:

LingLing Wang, Oxford Instruments Plasma Technology, Rm. 1/E, Building 1, Xiangzhang Garden
No. 248, Donglan Road, Shanghai, 201102, P.R.China
Tel: 86-21-60732929

Email: LingLing.Wang@oxinst.com

NOTE: There is no charge for this seminar, but advance booking is essential

Please note: Details in this document are correct at the time of publishing and will be subject to change

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