

第二屆 同步輻射次微米微區繞射在材料研究之應用講習會

Workshop II for the Applications of Submicron X-ray Diffraction in Materials Research

• 時間: 2010年7月1日 (四)

• 地點: 東海大學求真廳

本講習會主要內容為同步輻射X光源在次微米微區繞射在材料科學與工程方面的應用。我國同步輻射中心的台灣光源 (TPS) 計畫預計在4年後出光，並確定將建造一個實驗站可做100奈米，甚至可以做連續微區掃描得到3度空間的繞射圖像。這對我國材料科學以及工程將有極大的幫助。

Speakers:

Dr. D. J. Huang Deputy Director, NSRRC

Dr. Ho-Kwang Mao Academician, Academia Sinica, Professor, Geophysical Laboratory Carnegie Institution of Washington

Dr. G. E. Ice Fellow, Oak Ridge National Laboratory, USA

Dr. J. Susini Head of the Instrumentation Services and Development Division of European Synchrotron Radiation Facility, France

Dr. N. Tamura Scientist, Advanced Light Source, Berkeley Lab, USA

Dr. A. T. C. Wu Associate Professor, National Central University Taiwan

Dr. C. Y. Huang Assistant Research Scientist, NSRRC

Time	Title	Speaker
08:30-09:10am	registration	
09:10-09:25am	<i>Opening Speech</i>	<i>President H. D. Chen</i>
09:25-10:05am	<i>TPS Beamlines and Their Scientific Opportunities</i>	<i>Dr. D. J. Huang</i>
10:05-10:20am	Refreshment	
10:20-11:00am	<i>Sub-μ Diffraction Beamline Design at TPS</i>	<i>Dr. C. Y. Huang</i>
11:00-12:00am	<i>The Unique Contribution of 3D Submicron X-ray Diffraction to Understanding Materials Behavior</i>	<i>Dr. G. E. Ice</i>
Lunch break		
01:00-2:00 pm	<i>The ESRF Nanoprobe Programme</i>	<i>Dr. J. Susini</i>
02:00-03:00 pm	<i>Applications of Synchrotron X-ray Microdiffraction to Earth, Environmental and Materials Sciences</i>	<i>Dr. N. Tamura</i>
03:00-03:10 pm	Refreshment	
03:10-04:10pm	<i>The Applications of Synchrotron Radiation X-ray Microdiffraction in Solder Materials</i>	<i>Dr. A. T. C. Wu</i>
04:10-05:10 pm	<i>Novel High Pressure Science Enabled by Nanoscale X-ray Probes</i>	<i>Dr. Ho-Kwang Mao, Academician</i>
05:10-05:40 pm	<i>Discussion panel</i>	<i>All speakers</i>

主辦單位：國家同步輻射研究中心 東海大學奈米科技研究中心 東海大學化學工程與材料工程學系

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報名方式：請上http://nano.thu.edu.tw/nano_conference/下載報名表E-mail至nydia41026@thu.edu.tw

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