

PROGRAM DAY 1

TUESDAY 6TH DECEMBER 2011

LECTURE THEATRE 101, NEW LAW BUILDING
THE UNIVERSITY OF SYDNEY

9.00am – 10.00am Registration

INTRODUCTORY REMARKS & OPENING SESSION

10.00am – 10.10am Welcome & Introduction by Dr Alexander Argyros
School of Physics, The University of Sydney
Deputy Director of IPOS

10.10am – 10.30am Prof Mary O'Kane
NSW Chief Scientist & Engineer
Opening Remarks

10.30am – 11.00am Prof Ben Eggleton
School of Physics, The University of Sydney
Director of IPOS & Director of CUDOS CoE
Opening Address & IPOS Review

11.00am – 11.40am Dr David Mills
Co-Founder and Former Chairman and CSO
Ausra Inc. and SHP Pty. Ltd. (now Areva Solar)
Concentrating Solar Power Developments

11.40am – 12.20pm Dr Muriel Watt
Chair, Australian PV Association
International and Australian PV Markets

LUNCH

12.20pm – 1.30pm

SESSION 1

1.30pm – 2.10pm Dr Michael Lebby
General Manager & CTO, Translucent Inc, USA
Green Photonics Growing Trends Over the Next Decade
Sponsored by CUDOS ARC Centre of Excellence

2.10pm – 2.50pm Dr Dan Kilper
Bell Labs/Alcatel-Lucent, USA
Technical Committee Chair, GreenTouch Consortium
Energy Trends and Challenges in Optical Networks
Sponsored by NSW Trade & Investment

2.50pm – 3.30pm Dr Al Scott
R&D Coordinator, COM DEV Canada
Space Photonics and the Environment

AFTERNOON TEA

3.30pm – 4.00pm

SESSION 2

Rapid Fire IPOS Research Review

4.00pm – 4.50pm Introduction by Dr Alexander Argyros

Dr Chunle Xiong

Mr Rowan McQueen

Dr Mark Pelusi

Dr Erwin Chan

Dr Jochen Schroeder

Mr Alessandro Tuniz

Dr Peter Domachuk

Mr Chris Trinh

Mr Chris Betters

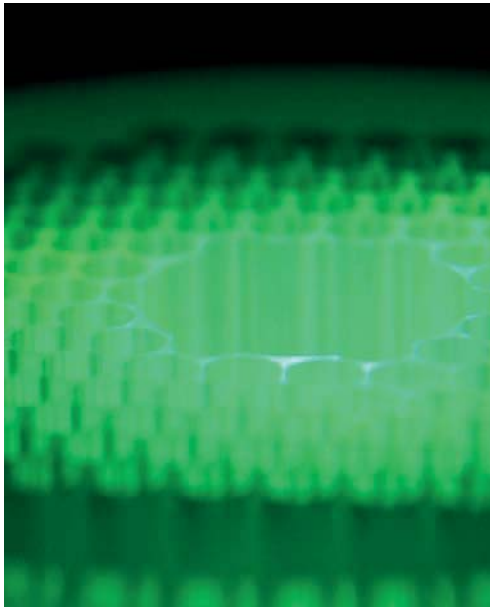
POSTER SESSION

4:50pm - 6:00pm

INSTITUTE OF
PHOTONICS &
OPTICAL SCIENCE



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PROGRAM DAY 2

WEDNESDAY 7TH DECEMBER 2011

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9.30am – 10.20am	Registration
SESSION 3	
10.20am – 10.30am	Welcome & Introduction by Dr Alexander Argyros School of Physics, The University of Sydney Deputy Director of IPOS
10.30am – 11.00am	Prof Min Gu Director of Centre for Micro-Photonics Swinburne University of Technology <i>Nanoplasmonic Solar Cells</i>
11.00am – 11.30am	Dr Kylie Catchpole Australian National University <i>Improving the Efficiency of Solar Cells Using Nanophotonics</i>
11.30am – 12.00pm	A/Prof Tim Schmidt School of Chemistry & IPOS, The University of Sydney <i>Spectral Management for Photovoltaic Energy Conversion</i>
12.00pm – 12.30pm	Prof David McKenzie School of Physics, The University of Sydney <i>Optics and the Management of Solar Energy</i>
LUNCH	
12.30pm – 1.30pm	
SESSION 4	
1.30pm – 2.00pm	Dr Chad Husko School of Physics & IPOS, The University of Sydney CUDOS ARC Centre of Excellence <i>Energy Consumption for All-Optical Processing in Slow-Light Optical Devices: Challenges and Opportunities</i>
2.00pm – 2.30pm	Dr Stuart Jackson School of Physics & IPOS, The University of Sydney CUDOS ARC Centre of Excellence <i>Making Low Energy Laser Photons Efficiently</i>
2.30pm – 3.00pm	Prof Joss Bland-Hawthorn & Dr Sergio Leon-Saval School of Physics & IPOS, The University of Sydney <i>Space Photonics: The Next Wave in Space Instrumentation</i>
AFTERNOON TEA	
3.00pm – 3.30pm	
SESSION 5	
3.30pm – 4.00pm	Prof John Canning Interdisciplinary Photonics Laboratories (iPL) School of Chemistry, University of Sydney <i>Photonics and the Energy Sector</i>
4.00pm – 4.30pm	Dr Ian Bassett, Dr John Haywood, Dr Mamdouh Matar & Dr Andrew Michie Smart Digital Optics Pty Ltd <i>Optical Physics, Interferometry with Intensities Computed in Real Time, and a Commercial Venture in High Voltage Power Transmission</i>
4.30pm – 5.00pm	Prof Ewa Goldys Macquarie University <i>Core-Shell Plasmonic Resonators with High Purcell Factor: Spontaneous and Stimulated Emission.</i>
5.00pm – 5.10pm	Closing Remarks