

Australian Solar Cooling 2013 Conference

CSIRO Riverside Life Sciences Centre
North Ryde, Sydney
11-12 April
2013

Register at www.ausscig.org/conference

Day 1 – Thursday, April 11

Solar Cooling Training Course

\$450

Thursday 11 April 2013
10:00 – 16:00 (followed by conference dinner)
Earth Sciences Centre Main Conference
Riverside Corporate Park, 11 Julius Avenue, North Ryde

This course will be led by Dr. Stephen White (CSIRO Solar Cooling Research Leader, ausSCIG Chair, IIR Australia Chair) and international solar cooling expert Daniel Mugnier (TECSOL (France), IEA Task 48 Operating Agent).

The course is designed as an overview of technical, economic and bigger picture aspects of solar cooling for newcomers to the industry. It will also provide design tips and technical case studies for industry specialists.

Topics to be covered include:

- Solar Cooling Basics
- Solar airconditioning equipment options and suppliers
- Selection considerations
- Solar airconditioning benefits, greenhouse gas savings and economics
- Flowsheets, controls and system integration
- Equipment sizing
- Modelling and performance evaluation
- Do's and don'ts
- Case studies

Following the course, dinner has been organised in Canberra City. Partners and guests are welcome to attend the dinner – please see below for additional cost.

Dinner

Dinner is included for *Solar Cooling Training Course* attendees.

Guests and partners are also welcome to attend at additional cost.

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Day 1 – Apr 11

Australian Solar Cooling 2013 Conference Dinner \$100
 Thursday 11 April 2013
 19:00 – 21:00
 North Ryde

19.00 - 21.00 **Australian Solar Cooling 2013 Conference Dinner**
 Fournu, 56 Delhi Rd, North Ryde
 Arrangements for guests and partners of attendees can also be made at additional cost (please note when registering).

Day 2 – Friday, April 12

Australian Solar Cooling 2013 Conference \$410
\$280 (AIRAH Members & Speakers)
\$150 (Students)
 Friday 12 April 2013
 09:00 – 17:00
 Auditorium
 CSIRO Riverside Life Sciences Centre, North Ryde

09.00 - 09.10 **Welcome by ausSCIG Chair, Dr. Stephen White**
Plenary Session I: Regional Industry Reports Chair: Stephen White
 09.10 – 09.40 • *Europe*, Dr. Uli Jakob - Green Chiller Association
 09.40 – 10.10 • *China*, Prof. Yanjun Dai - Shanghai Jiao Tong University
 10.10 – 10.40 • *Australia*, Jeremy Osborne – Solem Consulting
 10.40 – 11.10 **Morning Tea Break**
 11.10 – 12.30 **Parallel Technical Sessions – I**

	Components Chair: Frank Bruno (UniSA)	Industry Development Chair: Dr. Françoise Burgun (UNSW)
11.10 – 11.30	T. Anderson (Auckland University of Technology) Performance of an unglazed solar collector for radiant cooling	M. Goldsworthy (CSIRO) Development of a solar airconditioning standard
11.30 – 11.50	P. Finocchiaro (Uni Palermo) New DEC open cycle for air-conditioning based on fixed cooled adsorption beds and wet heat exchangers	M. Schubert (SOLID) ESCO financing options for solar cooling
11.50 - 12.10	M. Safarik (ILK Dresden) Component development and first test results of a directly air-cooled water/LiBr absorption chiller	I. Doemland (Australian National University - ANU) Air conditioning penetration and its electricity demand in Australia

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12.10 – 12.30	R. Critoph (Warwick Uni) Potential of and application niches for adsorption chillers in solar heating and cooling	D. Wu (Uni Melbourne) A financial analysis of solar cooling systems in Australia
12.30 – 1.00	Lunch	
1.00 – 1.45	Forum: “Solar Cooling – Costly and Inefficient?” Moderator - Marc Sheldon (Coolgaia) Affirmative - Johan Dreyer (NEP SOLAR), Negative - Mike Dennis (ANU)	
	Plenary Session II: Industry Developments Chair: Daniel Rowe	
1.45 – 2.15	<ul style="list-style-type: none"> • <i>IEA Task 48: Quality Assurance and Support Measures for Solar Cooling</i>, Daniel Mugnier - TECSOL 	
2.15 – 2.45	<ul style="list-style-type: none"> • <i>Potential for Innovative Technologies in the NSW Energy Savings Scheme</i>, Michael Oppermann – NSW OEH 	
2.45 – 3.15	<ul style="list-style-type: none"> • <i>AIRAH Solar Cooling Special Technical Group Launch</i>, Phil Wilkinson – AIRAH, Stephen White – CSIRO 	
3.15 – 3.30	Afternoon Tea Break	
	Parallel Technical Sessions - II	
	Systems Chair: Lu Aye (Uni Melb)	Case Studies Chair: Dr. Rob Taylor (UNSW)
3.30 – 3.50	M. Riepl (ZAE Bayern) All-in-one solar thermal heating and cooling system	A. Morgenstern (Fraunhofer ISE) First results of a pilot installation of a solar thermally driven cold store
3.50 – 4.10	D. Whaley (Uni SA) The development of and preliminary experimental performance of a novel integrated solar thermal system for domestic heating, cooling and dehumidification	M. Ono (Mayekawa) Cooling and Heating Air Conditioning based on Adsorption Chiller and Solar Heat: Eco School project
4.10 – 4.30	Y. Elgart (Engineering Scientific International) Combined Photovoltaic-Thermal solar collector based on heat pipes for solar HVAC	M. Schubert (SOLID) Experiences from Operation of the UWC Singapore Solar Cooling Plant
4.30 – 4.50	D. Mugnier (TECSOL) DHW/cooling hybrid strategy for solar cooling: Demo and first monitoring results	J. Dreyer (NEP Solar) Charlestown Square high efficiency solar cooling system
4.50 – 5.00	Summary and Closing Address, Dr. Stephen White	

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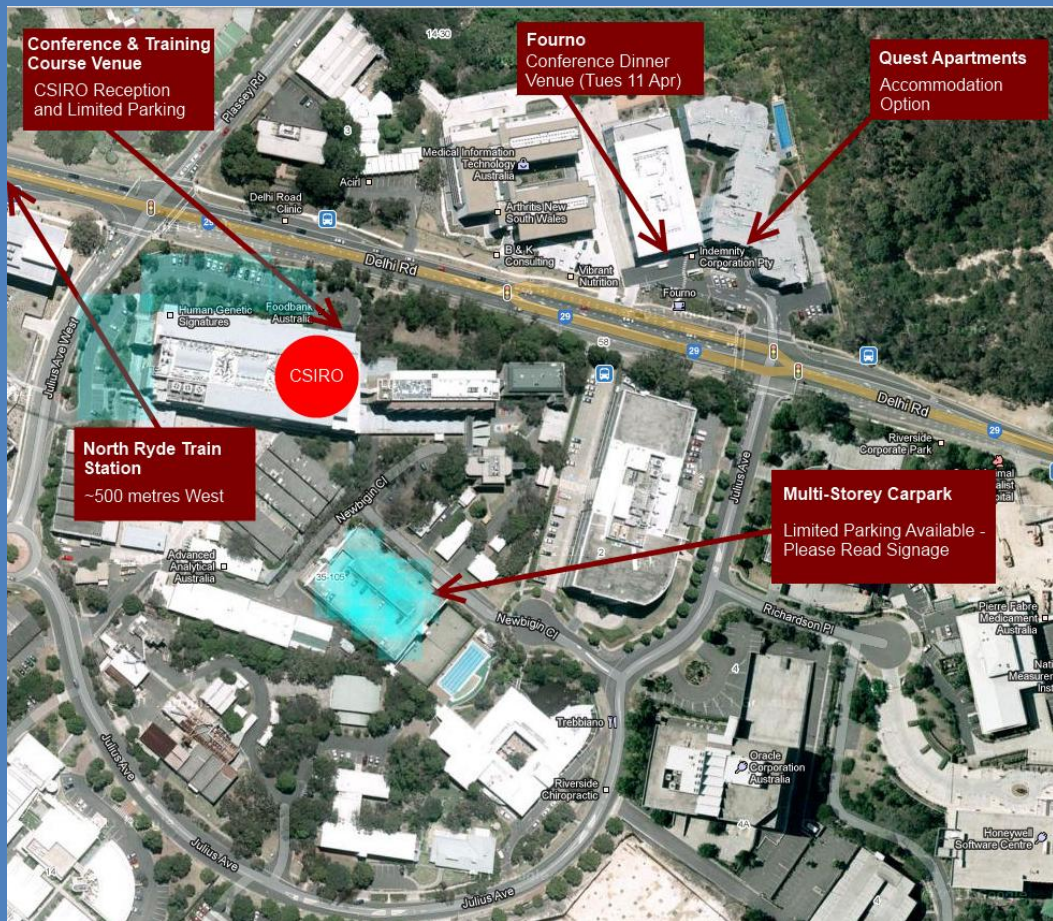
Address

CSIRO Riverside Life Sciences Centre
Riverside Corporate Park
11 Julius Avenue
North Ryde

Contact

Organiser: Daniel Rowe – (02) 4960 6155

Site: Reception – (02) 9490 5000



Directions

Modified from Google Maps maps.google.com
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Accommodation

Close to CSIRO North Ryde

Book Promptly – Fills Up Very Quickly

Quest North Ryde
58–62 Delhi Road,
North Ryde NSW 2113

Ph: +61 2 8899 8888
F: +61 2 8899 8899

Email : questnorthyde@questapartments.com.au

Website:

http://www.questapartments.com.au/Accommodation/43/Australia/Sydney_Suburbs/Quest_North_Ryde/Welcome.aspx

Stamford Grand North Ryde

Stamford Grand North Ryde
Cnr Epping & Herring Roads
North Ryde, NSW 2113

Ph: +61 2 9888 1077
F: +61 2 9805 0655

**Booking ID for conference rate : CS1104
(current rate \$205/night standard superior king
suite – 1 x full buffet breakfast included).**

Email : sales@snr.stamford.com.au

Website: <http://www.stamford.com.au/sqnr/>

Travelodge Macquarie North Ryde

Travelodge Maquarie North Ryde
81 Talavera Road
North Ryde NSW 2113

Ph: +61 2 8874 5200
F: +61 2 8874 5300

Email : tmqr@travelodge.com.au

Website: <http://www.travelodge.com.au/travelodge-macquarie-north-ryde-hotel/home>

Cheap/Cheaper Accommodation

Check-in.com.au – <http://www.check-in.com.au/>

Wotif – <http://www.wotif.com>

Lastminute – <http://www.lastminute.com.au>

Invitations and Visas – For International Attendees

Please ensure you check the entry requirements for your country of origin well in advance of the conference to allow sufficient time for visa processing (if required).

A letter of invitation can be organised once a registration payment for the conference has been made.

To request this, please contact Daniel.Rowe@csiro.au and include the following details:

- Passport number
- Surname (as per passport)
- Given Name (as per passport)
- Passport Date of Issue
- Passport Date of Expiry
- Passport Country of Residence
- Passport Place of Issue
- Date of Birth
- Gender