



SOLAR COOLING WORKSHOP 2014 Brisbane



AIRAH's first Solar Cooling Workshop will explore different aspects of solar cooling, including: case studies and industry applications, policy and industry development, components and mechanisms, and innovations.

**Thursday
March 27, 2014**



Ken Guthrie, Sustainable Energy Transformation

Ken is director of Sustainable Energy Transformation, a specialist consulting service whose activities aim to transform markets to support greater use of sustainable energy. Ken has more than 30 years' experience working in sustainable and renewable energy and energy efficiency, mainly in the government sector. He leads international solar heating and cooling activities as chair of the ISO committee on Solar Energy (ISO TC180), and as deputy chair of the International Energy Agencies Solar Heating and Cooling Executive Committee.

**CSIRO
EcoSciences
Precinct**

41 Boggo Road
Dutton Park Qld 4102

Morning tea, lunch and
afternoon tea provided



**Prof Ursula Eicker, Stuttgart University of Applied Sciences
Video presentation**

Ursula is a physicist at the Stuttgart University of Applied Sciences. Ursula's research focuses on the development of urban energy concepts, renewable energy supply in urban areas, building automation, and the simulation and development of solar thermal cooling systems.

Cost:

\$255 (inc GST)
for AIRAH members

\$325 (inc GST)
for non-members



Professor Paul Cooper, M.AIRAH, University of Wollongong

Paul is director of the University of Wollongong Sustainable Buildings Research Centre. Over the past 30 years, Paul has been involved in research in a wide variety of topics in sustainable buildings, energy systems, energy efficiency and fluid mechanics.

Registration:

Complete the registration
form over leaf and fax to
03 9614 8949 or email to
conferences@airah.org.au

Registrations close March 25



Dr Subbu Sethuvenkatraman, CSIRO

Subbu is a team leader at the energy technology division of CSIRO. He has 10 years' experience working in industrial R&D in the development of thermal/power generation systems, including managing programs related to solar cooling and hybrid power generation.

Register now



Marshal Rubinstein, New World Machines

Marshal is CEO and chief engineer of New World Machines. He is co-inventor of the IceBook heat-driven cooling system. Marshal combines extensive business management and entrepreneurial experience with strong engineering and project-management skills.

Venue host



Simon Lovich, M.AIRAH, Air Engineers

Simon has 30 years' experience in HVAC&R contracting, manufacturing and consultancy. He has worked across many different areas including installation, service, commissioning, technical support, quality assurance, application, design and project management.



Jeremy Osborne, Affil.AIRAH, Solem Consulting

Jeremy is an expert engineering consultant for Solem Consulting. His experience encompasses renewable energy systems from large-scale solar cooling projects, through to the optimisation of very small packaged systems.



Marc Sheldon, Affil.AIRAH, Coolgaia

Marc is founder and managing director of Coolgaia, a company focused on minimising energy use in the built environment. Marc has more than 25 years' experience in marketing, strategy and technology leadership in entrepreneurial and corporate environments.



Brett Seeney, WSP

Brett is associate mechanical engineer at WSP. Brett has 25 years' experience in the design, commissioning and project management of major building engineering projects. His work in commercial property has seen the establishment of commissioning management as a valuable tool in achieving energy targets.



Registration

Program

- 8.30am – 9.00am **Registration**
- 9.00am – 9.05am **AIRAH welcome and announcements**
Phil Wilkinson, M.AIRAH, AIRAH CEO
- 9.05am – 9.20am
Video presentation: Energy and economic performance of solar cooling systems
Prof. Ursula Eicker, Stuttgart University of Applied Sciences
- 9.20am – 9.50am
Keynote address: Solar heating and cooling – International developments
Ken Guthrie, Sustainable Energy Transformation
- 9.50am – 10.20am
IceBook – A new approach to ammonia/water absorption refrigeration
Marshal Rubinstein, New World Machines
- 10.20am – 10.50am
PV-based solar air conditioning
Dr Subbu Sethuvenkatraman, CSIRO
- 10.50am – 11.10am **Morning tea**
- 11.10am – 11.40am
Real applications for Chromasun collectors in Australia
Marc Sheldon, Affil.AIRAH, Coolgaia
- 11.40am – 12.10pm
Echuca Regional Hospital – The tale of two solar absorption cooling systems
Brett Seeney, WSP
- 12.10pm – 12.40pm
An adaptive approach to solar thermal systems
Simon Lovich, M.AIRAH, Air Engineers
- 12.40pm – 1.20pm **Lunch**
- 1.20pm – 2.00pm
Student lightning round
Chaired by Dr Stephen White, M.AIRAH, CSIRO
- 2.00pm – 2.30pm
Design and implementation of a retrofit solar-assisted HVAC system for residential applications
Prof Paul Cooper, M.AIRAH, University of Wollongong
- 2.30pm – 3.00pm
The development of solar collector standards
Jeremy Osborne, Affil.AIRAH, Solem Consulting
- 3.00pm – 3.10pm **Closing address**
Assoc Prof Lu Aye, F.AIRAH, University of Melbourne
- 3.10pm – 4.00pm **Afternoon tea and close**

Participant details

Name

Company

Address

Suburb Postcode

Phone

Mobile

Email

Dietary requirements

Member **\$255** Non-member **\$325**

Payment

Mastercard Visa card

Card name Expiry

Cardholder's signature

Tax invoice

Upon payment, a tax receipt will be sent to you.
ABN: 81 004 082 928.

Please inform me of future AIRAH events.

Cancellation and refund policy

Registration may be cancelled up to three weeks before commencement of the workshop, with participants receiving a refund less a 20% administration fee. In all other cases of cancellation the extent of any refund will be at the discretion of AIRAH.

PLEASE NOTE: The event organisers retain the right to alter or amend any of the details of the event, or any other matter associated with the event. Personal insurance for injury or loss of property or baggage is the responsibility of the attendee.