

# BDAA Training in Building Sustainability



**BUILDING SUSTAINABILITY SEMINARS**



building designers  
association  
of australia ltd

for more information  
please contact:

Executive Office  
BDAA  
phone: 07 38897337  
or 0412 092174  
email:  
admin@bdaa.com.au

## ABOUT BSS

**B**uilding **S**ustainability **S**eminars represent a program developed for the Australian Greenhouse Office in response to the need for more comprehensive, more practical and more detailed information for building professionals to assist the building industry to respond more effectively to the issue of emissions and climate change.

The program is made up of four modules each of which has up to date, detailed information plus worked examples and practical tips on how to apply sustainable design and construction in the Australian context. These are "how to" seminars for the experienced building professional who wants more detailed information about sustainable building design.

The modules are:

- Thermal Performance
- Water Management
- Energy Services
- Waste and Materials

## ABOUT ECO-DESIGN SMART

The Eco-Design Smart Building Designer program has been developed by the Building Designers Association of Australia (BDAA) to provide recognition to members who possess the necessary knowledge and skills to provide appropriate design solutions to the sustainable building issues beyond the standard compliance with regulation mechanisms.

Eco-Design Smart building designers will be promoted to the public and authorities through BDA web sites including [www.findadesigner.com.au](http://www.findadesigner.com.au), media releases and advertising as professionals with expert knowledge in the area of sustainable building design.

It may be regarded as a marketing edge but more importantly it signals that the building designer has a commitment to sustainable design and wants to do something to protect our planet.

Successful completion of the BSS program is the technical component of qualifying for the Eco-Design Smart program.

## PROGRAM DATES

New South Wales Program

Macquarie Room, **Penrith RSL**

8 Tindale Street, Penrith, 2750

9.00am to 5.00pm

Friday 7<sup>th</sup> August, 2009

Saturday 8<sup>th</sup>, August 2009

Friday 28<sup>th</sup>, August 2009

Saturday, 29<sup>th</sup> 2009

Module

Thermal Performance

Energy Services

Materials and Waste

Water Management

presenter

Chris Reardon

Chris Reardon

Chris Reardon

Chris Reardon

## COST

**New South Wales Program**

Early-bird registration (**before 15/6/09**)

\$440.00

Standard registration (**received after 15/6/09**)

\$550.00

(Registration includes course materials morning and afternoon tea and lunch)



## **PREREQUISITE**

The BSS program assumes that participants have a professional level of understanding of the issues that underpin sustainable building design and construction. Participants should have a working knowledge of “Your Home” Technical Manual.

## **THERMAL PERFORMANCE**

Participants will learn how to:

- Confidently explain to a client what is required to achieve carbon neutrality in the home and, help them to achieve the most cost effective climate change friendly solution available for their project, climate and budget
- Explain the principles of thermal comfort
- Describe the factors that influence building thermal performance
- Interpret outputs of simulation tools to refine thermal performance strategies
- Communicate the benefits of achieving good thermal performance to clients
- Select the most effective strategies for achieving the desired thermal performance in a given climate
- Choose building envelope materials to minimise their environmental impact

## **ENERGY SERVICES**

Participants will learn how to:

- Explain the term “energy service”, its significance and its links to values, experience and expectations
- Explain the relationship between energy service, energy use, energy source and greenhouse emissions
- Minimise use of non renewable energy to deliver household energy services
- Recommend and justify energy efficient, low greenhouse solutions to clients
- Develop cost effective strategies for achieving desired outcomes
- Analyse the relationship between building design and heating and cooling demand
- Specify energy efficient systems and appliances that minimise greenhouse emissions
- Identify synergies and trade-offs with other aspects of sustainability

## **WATER MANAGEMENT**

Participants will learn how to:

- Differentiate between reducing water use, reusing water, and recycling water
- Identify and assess opportunities for improved water outcomes from both behaviour change and technology change
- Communicate to clients and colleagues why reducing water use should be tackled before reusing or recycling
- Assess likely quality and quantity of household water needs and available alternative sources for reusing and/or recycling
- Identify, specify, and install the most cost effective strategies to reduce indoor and outdoor water use
- Broadly assess health risks, environmental impacts, and life cycle costs of reuse and/or recycle strategies
- Recommend the most effective reuse and/or recycle strategy for the local climate
- Ensure that reduce, reuse, and recycle strategies meet or exceed the applicable regulations
- Assess basic feasibility of water treatment and reuse systems before approaching expert
- Identify and use expert assistance where necessary for design and installation of reuse and recycle strategies
- Recommend cost effective systems for minimising stormwater runoff quantity and maximising stormwater runoff quality
- Explain the maintenance requirements of systems to clients
- Identify and act on synergies and trade-offs with other aspects of sustainability

## **MATERIALS AND WASTE**

Participants will learn how to:

- Explain the impact of materials on household environmental impact and health
- Explain the impact of waste on the environment, the project and their own profitability
- Explain the principles of environmentally responsible materials selection
- Explain the principles of waste wise housing design & construction
- Describe the factors that influence environmentally responsible materials selection



# BUILDING SUSTAINABILITY SEMINARS

# REGISTRATION FORM

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 Saturday, 29<sup>th</sup> 2009

Module	presenter
Thermal Performance	Chris Reardon
Energy Services	Chris Reardon
Materials and Waste	Chris Reardon
Water Management	Chris Reardon



NAME: .....

BUSINESS NAME: .....

ADDRESS: .....

Phone: ..... Fax: .....

Mobile: .....

Email: .....

Dietary requirements: .....  
if applicable



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### Amount payable

- Early-bird registration  \$440.00 **(paid before 15/6/09)**
- Standard registration  \$550.00 **(paid after 15/6/09)**

### PAYMENT FORM

- Payment method:  Cheque attached  
 Credit card (please complete details)  
 Direct payment to Commonwealth Bank Account  
 BSB 064 170 Acc No 10070364  
 Building Designers Association of Australia Ltd

Card type  Visa  Mastercard

Card No: .....

Name on Card: .....

Expiry Date: .....

.....  
Signature

Please complete this form  
and forward with payment  
to:

BDAA Ltd  
 PO Box 651  
 Strathpine, Qld 4500  
 or  
 Fax: 07 3205 1078  
 or scan and  
 Email:  
 admin@bdaa.com.au

### IMPORTANT INFORMATION FOR DELEGATES

- No access to the club or function rooms until 7.30am including trainers.
- The General Club area is not open until 9.30 of a weekday morning.
- To access the club prior to this for your event, please note the following arrangements have been made. The Car Park may be accessed via the Lethbridge St Directors Car Park. Drive towards the fire stairs and head between the yellow bollards to access undercover parking.
- The Castlereagh St Entrance will be opened for half an hour prior to the seminar commencement time.