



Retrofitting using bioclimatic principles: looking for value adding

Redefining a Bioclimatic Approach for Multi-residential & Office Buildings in Warmer Climates

The Architectural Disciplines of the Faculty of Architecture, Design and Planning is pleased to present this conference looking at the use of bioclimatic approached to retrofitting office and multi-residential buildings. It is common to apply sustainable principles to new buildings and this has produced very good results. But what about our existing building stock. Can the same sustainability principles be applied when existing buildings are renovated? This is an important question for all architects and related professionals. This conference will bring together local experts and internationally renowned architect Dr Ken Yeang from Malaysia and the UK to look at the current research and its application to warming climates.

What will the workshop discuss?

- Bioclimatic design principles for renovation of office and multi residential buildings
- Green technologies available for retrofitting
- Retrofitting Comfort
- Trend analysis of environmental performance
- Building performance modelling
- Financial modelling
- Value adding through sustainable retrofitting
- Case studies - success stories

When: Monday 3 August 2009

**Where: Veterinary Science Conference
Facilities, The University of Sydney**

Mini conference 8.30am - 5.00 pm

Key Note Lecture 6.00 - 7.00 pm

For more information:

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Program Schedule

- 8:30 am Registration
- 9:00-9:30 Introduction: Richard Hyde and Groenhout Nathan
- 9:30-10:30 Theme 1: ***How can bioclimatic design be applied to renovation of office and multi residential buildings?***
Chair: Marci Webster-Mannison
Speakers include:
- **Richard de Dear** - Retrofitting Comfort
 - **Indrika Rajapaksha** - Exploring building typology for retrofit (to be confirmed)
 - **Pat Cody**, Façade design
- 10:30-11:00 Morning Tea
- 11-12:00 Theme 2: ***What green technologies are available for retrofitting?***
Chair: Frank Barram
- **Edward Halawa** and **Kate Healey**
 - **Lester Partridge** - Building performance modelling
 - **Mark Luther** - Case studies
- 12:00-1:00 pm Lunch + FORUM
Dr Ken Yeang and panel: Lunch Discussion on Bioclimatic design
- 1:00-2:45 Theme 3: ***Looking at retrofitting office and multi residential buildings in warm climates, which modelling system should be used?***
Chair: Lester Partridge
- **Deo Prasad** - Active solar systems and integration
 - **Francis Barram** - Financial modelling
 - **Bruce Precious** - Low Energy High Rise
- 2:45-3:15 Afternoon tea
- 3:15-4:15 Theme 4: ***What is the business case of retrofit?***
Chair: Frank Barram
- **David Leifer / Alan Obrart**
 - **Craig Roussac** - Case studies
 - **Leena Thomas**, UTS
- 4:15-5:00 ***Panel Discussion***
Chair Richard Hyde
- 5:00-6:00 Drinks and Canapes
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- 6:00-7:00 ***Keynote public lecture***
Dr Ken Yeang

