

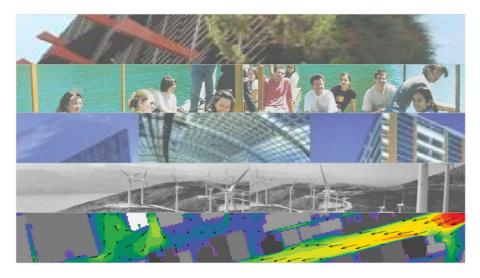
Conference Design Symposium Workshops

PLEA 2007

24th International Conference on Passive and Low Energy Architecture In conjunction with International PLEA

Department of Architecture 22.-24. November 2007

220 international architects, building professionals and scientists from 35 countries, sharing their expertise related to the conference theme 'Sun, Wind and Architecture'



This event is targeted at international and regional architects, engineers, scientists, developers, contractors, consultants, branding consultants, government officers, and other building professionals who want to network and exchange professional and scientific aspects of Sustainable Architecture and Urban Design.

Expertise areas:
Solar Architecture
Bioclimatic Architecture
Green Building Technologies
Renewable Energies
Comfort Models
Assessment Schemes
Post Occupancy Evaluation
Policies and Frameworks
Design Tools
Case Studies
Higher Education

www.plea2007.org



Welcome Message

The Department of Architecture of the National University of Singapore is committed to environmental sustainability in architecture and planning. We provide expertise and visions from building integrated Photovoltaic to sustainable cities with particular focus on the Tropics and Subtropics.

It gives us great pleasure to host the 24th PLEA conference. PLEA is an organization engaged in a worldwide discourse on sustainable architecture and urban design through annual international conferences, workshops and publications. It has a membership of several thousand professionals, academics and students from over 40 countries.

PLEA 2007 is actually the first PLEA conference in Singapore and South East Asia. We thus welcome Professionals, Academia, Industry and Members of the Government from East and West to close ties under our official conference theme 'Sun, Wind, and Architecture'.

PLEA 2007 comprises of a Design Symposium and Workshops, which are run by practising architects and engineers, as well as 105 paper and 50 poster presentations. Our international keynote speakers have backgrounds in practice, academia and government and will share their expertise in design, legislation and occupant's behaviour.

Dr Mohamad Maliki Bin Osman, Parliamentary Secretary, Ministry of National Development and Professor Koen Steemers, President of PLEA and Professor of Sustainable Design at the University of Cambridge (UK) will be the Guests-of-Honour of our Opening Ceremony.

Welcome to Singapore and the PLEA 2007 Conference, Design Symposium and Workshop! Dr Stephen Wittkopf, Chairman PLEA 2007

Schedule	22 November 2007 University Cultural Centre	23 November 2007 School of Design and Environment (SDE)	24 November 2007 School of Design and Environment (SDE)	
08:30 - 09:30	Registration	Parallel Session 3		
09:30 - 10:15	Opening Ceremony	Design Symposium	Parallel Session 7	08:45 - 10:15
10:15 - 10:45	Tea break	Tea break	Tea break	
10:45 - 12:00	Keynote Speeches	Parallel Session 4 Design Symposium	Parallel Session 8	10:15 - 12:35
12:00 - 14:00	Lunch Break and Transfer to SDE		Announcements	
		Lunch Break	Lunch Break	12:35 - 13:30
		Poster Session		
14:00 - 15:50	Parallel Session 1	Parallel Session 5 Workshop	Post Conference	13:30 - 18:00
15:50 - 16:30	Tea break	Tea break	Tours	
16:30 - 18:00	Parallel Session 2	Parallel Session 6 Workshop		
19:00 -	Research Network and Annual PLEA meeting	Conference Dinner Banquet	Details clos www.plea2	ser to the date at 2007.org

Venue

National University of Singapore Department of Architecture, School of Design and Environment (SDE) 4 Architecture Dive, Singapore 117566



Keynotes



Professor Paula San Payo CADIMA

Professor at the Faculty of Architecture, Technical University of Lisbon Project Officer, Executive Agency for Competitiveness and Innovation (EACI), European Commission, Brussels.

Professor Cadima helps with the promotion of energy efficiency and Renewable Energies and manages European projects in the building sector. She has taught at the Faculty of Architecture in Lisbon since 2001 and became Director of the Master Course on "Bioclimatic Architecture" in 2003. She is the current Vice-President of PLFA.



The European Strategy towards Sustainability in the Built Environment

Abstract:

Over the past years, the European Commission has been promoting various aspects of sustainable urban development and energy efficiency through a number of policies, measures and legislative instruments, such as directives and regulations. Regulations can act as a mean to stimulate the integration of environmental issues in the design approach. This keynotes presents some of the most relevant EU directives and legislations which stimulate low energy architecture and sustainable design. It discusses the drivers and risks of mandatory requirements to the integrated design approach and it includes examples of various European projects which overcoming existing barriers to implementation of the Energy Performance in building's Directive (EPBD) in various EU Member States.



Professor PhD Toshiharu IKAGA

Director of Ikaga Laboratories, Department of System Design Engineering, Faculty of Science and Technology, Keio University, Japan

Professor Ikaga focuses on sustainable engineering of buildings and cities, life assessment (LCA), and efficiency environmental assessment (CASBEE) to achieve the target of the Kyoto Protocol. Prior to that he had worked for the worlds largest architectural design firm "Nikken Sekkei" contributing to award winning Architecture in Japan.

Keynote Title:

Advanced Sustainable Building Design to Create the Desired Japan 2050 Future

Abstract:

To create the desired Japan 2050 future, it will be one of the most effective measures that architects and engineers can easily use the life cycle assessment (LCA) and life cycle costing (LCC) methods in the basic or schematic design phase of each building. The author has been developing the "Comprehensive Assessment System for Building Environmental Efficiency (CASBEE) ", supported by the Japan Ministry of Land, Infrastructure and Transport. In this keynote speech, the several sustainable buildings designed and assessed by author to create the desired Japan 2050 future will be presented as follows: "Head office of the Institute for Global Environmental Strategies (IGES)", "Head office of the Japan Aerospace Exploration Agency (JAXA)", "Liberty Tower of Meiji University", "Yusuhara Town Hall".



Univ. Prof. DI Dr. Ardeshir MAHDAVI Director, Department of Building Physics and Building Ecology

Vienna University of Technology, Austria

His research activities cover a wide spectrum of work in building science, building building including physics, simulation, performance building automation, and sustainable architectural design. He is a frequent keynote speaker at scientific conferences and has authored over 300 publications.

Keynote Title:

People, Systems, Environment - Exploring the patterns and impact of control-oriented occupant actions in buildings

Abstract:

In most buildings, people operate control devices such as windows, shades, luminaires, radiators, and fans to bring about desirable indoor environmental conditions. These control actions have a significant - yet often neglected impact on building's performance and sustainability (energy use, indoor climate). A better understanding of the logic and patterns of such control-oriented user behavior can not only facilitate better predictions of buildings' performance, but also support the effective operation of buildings' service systems. This keynote describes an extensive empirical study of controloriented user behavior (as related to systems for lighting, shading, ventilation and heating) in office buildings. The results specifically shed light on the relationships between control actions and environmental conditions inside and outside buildings.



Registration

Туре		Fee		Entitlements	Delegate	Full-Time Student
Delegate	SGD 750	USD 510*	EUR 360*	Opening Ceremony	yes	yes
Full-time	SGD 300	USD 205*	EUR 145*	Parallel Sessions, Workshops, Design Symposium	yes	yes
Student				Access to Poster Exhibitions	yes	yes
* Approximate			Daily Lunch and Tea Breaks	yes	yes	
7.pp.o				Proceedings Hardcopy, CD-Rom, Abstract Booklet	yes	yes
				Conference Dinner Banquet	yes	no
				Post-conference Tours (to be booked onsite)	no	no

Online Registration To register online please follow the link provided in the 'Registration' page of our home page

www.plea2007.org

Address PLEA 2007 Conference Secretariat, C/o Integrated Meetings Specialist Pte Ltd,

Blk 998, Toa Payoh North, #07-18/19, Singapore 318993

Tel: + (65) 6356 4727

Email: PLEA2007@inmeet.com.sg

CPD Programme

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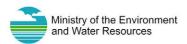


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To make Singapore a great city to live, work and play in

















SUSTAINABLE ARCHITECTURE + URBAN DESIGN