

HOTEL INFORMATION AND RESERVATION

Hotel reservations should be made directly by the participants to:

Athens Imperial Hotel
 Achilleos & M. Alexandrou
 Karaiskaki Sq.
 104 37 Athens / GREECE
 Tel. +30 210 5201600,
 Fax: +30 210 5225521
 http://www.grecotel.gr

Rate per person per night:

- single room **100 €**
- double room **115 €**

Note: All prices include breakfast and all taxes

Please mention **"DYNASTEE 2005"** when booking.

ARRIVAL / DEPARTURE DETAILS:

Arrival date: Airline:
 Flight nr.: Arrival time:
 Departure day: Airline:
 Flight nr.: Departure time:



OPERATING MANAGEMENT OF THE PASLINK EEIG:

Centre for Renewable Energy Sources
 19th km Marathonos Avenue
 190 09 Pikermi, Attiki, Greece
 Tel: +30 210 6603300
 Fax: +30 210 6603305
 http://www.cres.gr

Operating Manager:
 Mrs Eugenia Lazari (e-mail: jlazari@cres.gr)

Operating Secretary:
 Mr Gordon Sutherland (e-mail: gordon@cres.gr)

FULL MEMBERS:



EXTERNAL MEMBERS/ASSOCIATED:



CANDIDATE MEMBERS:



DYNAMIC ANALYSIS, SIMULATION AND TESTING APPLIED TO THE ENERGY AND ENVIRONMENTAL PERFORMANCE OF BUILDINGS

12th - 14th
october
athens
greece

KATIE CHES
PASLINK EEIG
 European Economic Interest Grouping of Outdoor Test Centres

INTRODUCTION

Dynamic analysis and modelling techniques, combined with appropriate test methodologies, have been applied for many years to the assessment of the solar and thermal performance of buildings and building components. However, producing accurate results which inspire confidence at all levels in the building sector can still be a problem.

The specific dynamic analysis and modelling techniques addressed by this conference require a high level of skill in order to be applied properly. Often statisticians and mathematicians do not have the technical knowledge to correctly apply these dynamic techniques to physical processes, whilst engineers may not have adequate knowledge of the complex statistical and mathematical processes. Discussions, comparisons, training, guidance tools, and in general, accessible and sustainable research infrastructures are required to keep the necessary skill at a high level. Due to the wide range of scientific disciplines required for analysing the complexities of the performance of an occupied building in a real outdoor environment, it is difficult and expensive for any one institute, organisation or university to maintain all the required knowledge in-house. As such, whilst the dynamic analysis and modelling techniques are able to deal with the non-linear processes associated with the energy performance of occupied buildings and are well suited for energy management, it is however necessary to provide an environment which allows direct and effective intercomparison of these techniques and the results of their implementation.

AIMS AND OBJECTIVES

The objective of DYNASTEE 2005 is to provide an effective networking environment, by bringing together the scientific community in the field, to add further momentum to many years of applied research and to identify feasible approaches for the practical implementation of dynamic techniques. The conference is the meeting ground for the presentation of an overview of the activities and strategies to date, discussion of the latest scientific developments and announcement of the networking mechanisms for creating a sustainable scientific environment for applications of dynamic analysis, simulation and testing.

WHO SHOULD ATTEND DYNASTEE 2005

The conference addresses the scientific community active in the field of construction research and design using state-of-the-art analysis, modelling and testing techniques for the study of the energy and environmental performance of buildings and building components. Participants are expected to come from the wider area of building engineering and physics research, as well as from the field of applied mathematics and statistics.

VENUE

The conference will be held in the Athens Imperial Hotel, located in central Athens, and conveniently situated next to the Metaxourghio Metro station (Line 2) for fast and easy access to Athens International Airport.

CONFERENCE PROGRAMME

Wednesday, 12th October 2005

13:00-14:00 Registration
14:00-15:30 **Opening - Introduction and Overview**
15:30-16:30 Lunch
16:30-18:00 **Session 1 : Experimental testing and monitoring**
18:00-18:30 Coffee Break
18:30-20:00 **Session 2 : Experimental testing and monitoring (continued)**

Thursday, 13th October 2005

09:30-11:00 **Session 3 : Dynamic analysis methods and techniques**
11:00-11:30 Coffee break
11:30-13:00 **Session 4 : Applications of dynamic analysis**
13:00-14:00 Lunch Break
14:00-15:30 **Parallel Workshops**
- Mathematical Modelling
- Building Energy Performance Assessment

Friday, 14th October 2005

09:30-11:00 **Session 5 : Dynamic simulation and innovative applications**
11:00-11:30 Coffee break
11:30-13:00 **Round table : From Research to Application**
13:00-14:00 Discussion
Closing of the conference

*A meeting of the DYNASTEE Network will take place from 15:00 - 16:30.
An open invitation is extended to all conference participants who wish to attend.

ORGANISING COMMITTEE

Mrs Eugenia Lazari, Centre for Renewable Energy Sources (CRES), Greece
Mr Gordon Sutherland, Centre for Renewable Energy Sources (CRES), Greece
Mr Luk Vandaele, Belgian Building Research Institute (BBRI), Belgium
Dr Paul Baker, Glasgow, Caledonian University, United Kingdom
Prof Dagnija Blumberga, Riga Technical University, Latvia
Mr Hans Bloem, European Commission - Joint Research Centre (EC - JRC), Italy

SCIENTIFIC COMMITTEE

Dr Brian Anderson, Building Research Establishment Scottish Laboratory (BRE Scotland), United Kingdom
Prof Kimon Antonopoulos, National Technical University of Athens (NTUA), Greece
Prof Athanasios Argiriou, University of Patras, Greece
Prof Andreas Athienitis, Concordia University, Canada
Dr Dorota Chwieduk, Policy Academy of Sciences, Poland
Prof Baruch Givoni, University of California at Los Angeles (UCLA), United States of America
Prof Gérard Guarracino, Ecole National des travaux publics de l'Etat, France
Prof Jan Kreider, University of Colorado at Boulder, United States of America
Prof Henrik Madsen, Technical University of Denmark, Denmark
Prof Francois-Pascal Neirac, Centre Energetique et Procédes de l'Ecole des Mines de Paris, France
Dr Paul Strachan, University of Strathclyde, United Kingdom

CONFERENCE REGISTRATION FORM

Please complete (using capital letters) and forward to:
DYNASTEE 2005 Conference Secretariat
Centre for Renewable Energy Sources (CRES)
19th km Marathonos Avenue,
190 09 Pikermi, Attiki / GREECE
Attn: Ms Ioanna Dounaki
Tel: +30 210 6603212
Fax: +30 210 6603301-2
e-mail: dounaki@cres.gr

Surname:.....
First Name:.....
Mr / Ms / Dr / Prof.....
Profession:.....
Company/Institute.....
Address:.....
Postal Code:.....
City:.....
Country:.....
Telephone:.....
Fax:.....
e-mail:.....

REGISTRATION FEES - PAYMENT METHOD

- Registration until 19th Sept. 2005 **150 €**
 Registration after 19th Sept. 2005 **180 €**
 Student fee **100 €** (document required)

The registration fee includes:
 Attendance at all Sessions and Workshops
 Refreshments and lunches
 A copy of the proceedings on CD-ROM

Payments for registration should be made in EURO by wire bank transfer quoting:
" **DYNASTEE 2005** ".

Credit cards or bank cheques cannot be accepted.
Bank transfer for payments in EURO should be made to:
Centre for Renewable Energy Sources (CRES)
Bank: National Bank of Greece
Branch: Ambelokipi Branch 721, Mesogeion 1, Athens, Greece
Account Nr.: 721/106/48015476
IBAN GR43 0110 1060 0000 1064 8015 476
SWIFT (BIC) ETHNGRAA

Registration will be considered valid upon receipt of a copy of the bank transfer issue, mentioning your name, by fax (+30 210 6603301 - 2 / attn. Ms. I. Dounaki). Upon receipt of your registration you will receive confirmation from the conference secretariat.