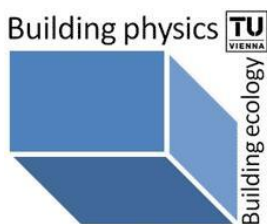
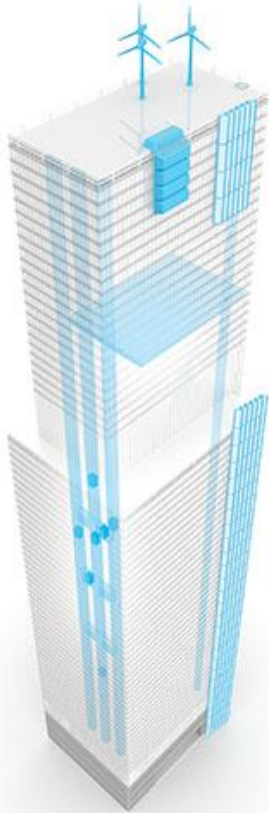


# Building Energy Simulation &

## Building Physics

### Seminar



### Date & Venue

**25 October 2010 - Seminar**

Yildiz Technical University  
Conference Hall - Beşiktaş

### Organized by

Entegre Project Management & Consultancy  
Vienna University of Technology

### Introduction

It has become vitally important to make our buildings energy efficient to preserve non-renewable resources and reduce carbon emissions, to which building contribute a significant percentage.

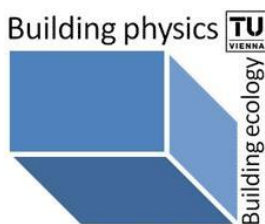
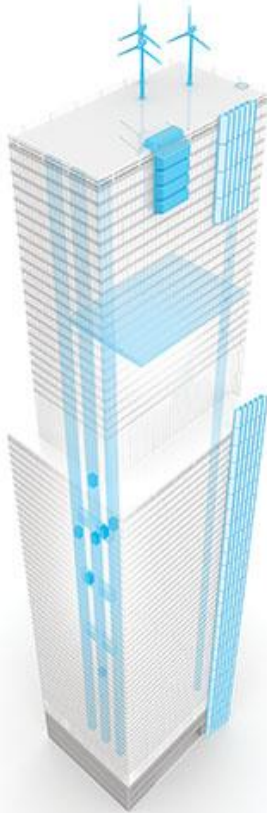
Designing energy efficient buildings is not only imperative but also mandatory as the Local and International Codes are all set for implementation. In this scenario, Architects and building professionals with knowledge of building physics and skills to undertake energy simulation will be better equipped to design future buildings and will definitely have an edge over others.

In response to this, Entegre project Management are organizing a Seminar on Building Physics and Understanding and Modeling of the Energy Performance of Buildings on 25th of October 2010.

### The Objective

The objectives of this seminar are to teach the participants, " Fundamentals of Building Physics and Thermal Performance of Buildings "

# Building Energy Simulation & Building Physics Seminar



## About Our Experts



**Prof. Dr. Ardeshir MAHDAVI** is the director of the Department of Building Physics and Building Ecology at the Vienna University of Technology in Austria. His research activities cover a wide spectrum of work in building science, including building physics, computational building performance simulation (heat and mass transfer, room and building acoustics, and lighting), building automation, building ecology, human ecology, and sustainable architectural design. His research has led to the development of integrated computational tools for the simulation of sound transmission between rooms, heat and mass transfer in building components, natural ventilation in buildings, indoor air modeling, daylighting, and ecological analysis of building designs.

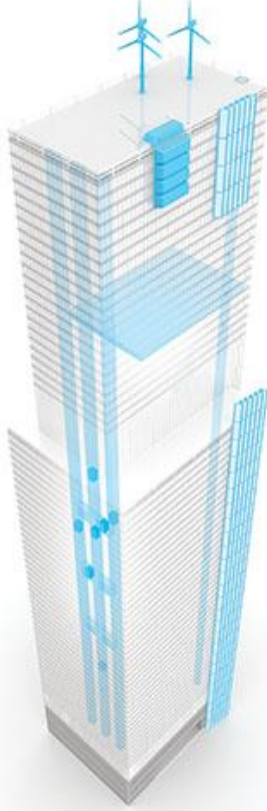
Professor Mahdavi, who has been involved in a number of international research activities with European and Asian building science centers, is also known for his contributions to the international efforts in introducing human ecological approaches and integrative analysis in building science. His professional affiliations include membership in ASHRAE (American Society of Heating, Refrigerating & Air Conditioning Engineers, Inc.), IESNA (Illuminating Engineering Society of North America), CIB (Conseil International Du Batiment Pour La Recherche L'Etude Et La Documentation), CIB W67 (Energy Conservation in the Built Environment), IBPSA (International Building Performance Simulation Association), ÖNORM (Austrian Institute for Standardization), and SHE (The North-American Society for Human Ecology).



He is a frequent keynote speaker at international scientific conferences and has authored over 400 publications in scientific conference proceedings and journals. In the years 2006, 2007, and 2008 Prof. Mahdavi has been consecutively awarded the "Austrian Building Award" in the research projects category.

**Dr. Kristina Orehounig** is University Assistant at the Department of Building Physics and Building Ecology at the Vienna University of Technology in Austria. Ms Orehounig's research interests include building physics, building ecology, thermal comfort, and computational building performance simulation. Her PhD-thesis was awarded with the "Ressel-Price 2009".

# Building Energy Simulation & Building Physics Seminar



Schedule and Content

25 October 2010, SEMINAR, General Attendance

09.00 – 10.00	Registration & Opening	
10.00 – 11.00	Introduction to Building Physics	Prof. A. Mahdavi Dr. K. Orehounig
11.00 – 11.15	Tea Break	
11.15 – 12.30	Fundamentals of the thermal performance of buildings I ( Energy )	Prof. A. Mahdavi Dr. K. Orehounig
12.30 – 13.30	Lunch Break	
13.30 – 15.00	Fundamentals of the thermal performance of buildings II ( Indoor Environment )	Prof. A. Mahdavi Dr. K. Orehounig
15.00 – 15.15	Tea Break	
15.15 – 17.00	Fundamentals of the thermal performance of buildings III ( Thermal Comfort )	Prof. A. Mahdavi Dr. K. Orehounig

## The Participants

Users, researchers, developers, students and all in the field of building-related technologies are kindly requested to this seminar and workshop.

## Registration

People who would like to attend the seminar are kindly welcomed.

**To be registered**, please send your nomination ( contact info ) via e-mail or phone.

**For further information please do not hesitate to contact us.**

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