



# AiCARR IN MCE 2014

18-19-20-21 MARZO 2014  
 FIERA MILANO RHO-PERO



## CONSULTA INDUSTRIALE



## AiCARR EVENTS IN MCE

### AiCARR SEMINAR

19<sup>th</sup> March 2014  
 Centro Congressi Stella Polare—Sala Gemini  
 10,00 a.m. — 1,00 p.m.

### Towards an italian overall legislative act on energy in buildings: AiCARR proposal

The proposal for a single national legislative act on energy use in buildings is a possibility that our Association could submit to the institutions to compensate the lack of clarity and consistency of the current national legislative regulation on the energy efficiency of the Italian buildings stock.

The current legislative framework also indicates the absence of explicit provisions addressed to regulating and safeguarding the skills acquired by designers and professionals in that field.

AiCARR proposes to discuss with professionals and institutions about a varied and complex theme always actual in Italy

### PROGRAMME

**Chairman: Livio de Santoli, AiCARR President-Elect**

♦ **Introduzione e significato di un Testo Unico per l'energia degli edifici**

Livio de Santoli, *AiCARR President-Elect, Università La Sapienza, Roma*

♦ **Modifiche alla normativa per l'efficienza energetica e le fonti rinnovabili**

Giovanni Battista Zorzoli, *Presidente Coordinamento FREE*

♦ **Un Testo Unico per l'energia in edilizia, un possibile percorso**

Giuliano Dall'O', *Presidente SC1 UNI-CTI, Politecnico di Milano*

♦ **Evoluzione della normativa tecnica e sua applicazione a supporto della legislazione**

Vincenzo Corrado, *AiCARR e CTI, Politecnico di Torino*

♦ **Una guida operativa del Testo Unico sull'energia negli edifici**

Livio Mazzarella, *CEN-REHVA, Politecnico di Milano*

♦ **Il GdL Energia del Consiglio Nazionale degli Ingegneri : attività ed obiettivi**

Gaetano Fede, *Consiglio Nazionale degli Ingegneri, Area Energia*

♦ **Discussion:** predisposizione di un documento-proposta di Testo Unico per l'energia negli edifici

*At the beginning of the Seminar will be held the "Sanguineti" Award Ceremony*



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## REGISTRATION

Participation to the seminars is free of charge. Please register on [www.aicarr.org](http://www.aicarr.org) by March 17. On site registration is possible until one hour before the start of each seminar.

AiCARR events during Mostra Convegno Expocomfort 2014 will take place at Fiera Milano Quartiere Rho - Centro Congressi Stella Polare - Sala Gemini

## PROCEEDINGS

A few days after the Seminars, participants will receive an e-mail from AiCARR Secretariat with a link to download papers proceedings

## CONTACTS

AiCARR  
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[www.aicarr.org](http://www.aicarr.org)

## REHVA SEMINAR

19<sup>th</sup> March 2014

Centro Congressi Stella Polare—Sala Gemini  
2,00 p.m.—6.00 p.m.

### Towards nearly zero-energy retrofitted buildings

The topic of designing and constructing nearly zero energy buildings has been firstly addressed to new buildings. Nevertheless, the big challenge for the European Countries is to focus in increasing the energy performance of the existing building stock.

As highlighted by several European projects and researches, the energy properties of buildings are really poor and high potentials of energy savings can be achieved by energy renovation actions. In this scenario, it is important to analyses which are the real strategies to develop and the proper technologies to set for retrofitting existing building up to the target of "nearly zero energy", taking into account the suitable trade-off between energy and economical goals as introduced by the "cost optimality approach".

#### ◇ nZEB concept and Mediterranean Countries

Livio Mazzarella, *Energy Department, Polytechnic of Milan, Italy*

#### ◇ Retrofitted N-ZEB: challenging between energy and economical targets

Stefano P. Corgnati, *Rehva Vice-President — Associate Professor, TEBE Research Group, Energy Department of Polytechnic of Turin, Italy.*

#### ◇ Energy retrofitting of panel residential buildings for nearly zero energy buildings in Hungary

Zoltan Magyar, *REHVA vice-president — Head of Building Energetics and Building Service Engineering Department, Budapest University of Technology and Economics*

#### ◇ Status of implementation of the European Directives for Energy Efficiency in Romania. Technical solutions for transforming an existing residential building into a nearly zero energy building (nZEB)

Ioan Silviu Dobosi, *REHVA vice-president — Director of Doseimpex S.R.L., Timisoara (Romania)*

#### ◇ The role of energy simulation towards nZEB: case studies

Enrico Fabrizio, *University of Turin, Italy*

#### ◇ Certification of multi-energy systems

François-Xavier Ball, *Eurovent Certita Certification*

**SIMULTANEOUS TRANSLATION IS PROVIDED**



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## SEMINAR SPONSOR

**OCHSNER**  
POMPE DI CALORE

## ASHRAE SEMINAR

20<sup>th</sup> March 2014

Centro Congressi Stella Polare—Sala Gemini

2,00 p.m.—6,00 p.m.

### **Design of Commercial Ground Source Heat Pumps**

This course describes the best design and installation practices for ground source heat pump systems. These systems offer low first-cost solutions to energy efficiency.

Focusing on vertical ground loop heat exchanger systems, the course covers energy analysis, equipment selection, drilling technologies, testing requirements, hydronic system design and system controls.

An economic analysis of ground source vs. more traditional systems is discussed. Also, the factors necessary to design an effective and efficient ground source system are described.

Participants will learn all that is necessary for successful ground source heat pump systems, specifically horizontal bore systems, surface water systems and open loop systems.

Instructors: Lisa Meline and Kirk T. Mescher

***SIMULTANEOUS TRANSLATION IS PROVIDED***