



Historical and existing buildings: designing the retrofit.

An overview from energy performances
to indoor air quality.

Roma 2014 February 26th-28th

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49th AiCARR INTERNATIONAL CONFERENCE

NH Hotel Vittorio Veneto—Corso D'Italia, 1—00198 Roma

CALL FOR PAPERS

The 49th Edition of AiCARR International Conference of 2014 will take place in Roma.

The Conference is devoted to providing a deep overview on the retrofit design of the historical and existing buildings; the themes related to the energy performances, to the indoor air quality, to the energy sustainability and to the innovations on buildings and their systems will be proposed.

The necessity of reducing energy consumptions in existing buildings is an important goal for all Countries that seek a rational use of resources and the reduction of CO₂ emissions.

Interventions in existing and especially historical buildings must be carefully designed and defined both for the existence of static and/or historical constraints, both for use requirements, operational, maintenance and cost.

The energy performance of buildings shall be defined on the basis of methodologies, which include, in addition to thermal characteristics, other factors that play an increasingly important role such as heating and air-conditioning installations, application of energy from renewable sources, passive heating and cooling elements, shading, indoor air-quality, adequate natural light and satisfactory indoor noise level.

The conference aims to analyze the main technologies in plants and equipments applicable today in existing buildings to improve energy performance, indoor environmental quality and sustainability.

PLENARY SESSION

- ◆ Italian historical buildings: state of conservation
- ◆ Sustainability and historical heritage: open questions, proposals, solutions
- ◆ A guideline for technical systems in historical buildings and cultural heritage
- ◆ HVAC for buildings retrofit

TOPICS

1. Cultural heritage and historical buildings: conservation, microclimate and sustainability
2. Materials and techniques for refurbishment of the building envelope
3. Building and HVAC systems: energy evaluation and interventions for performance improvement
4. HVAC operating mode, management and maintenance
5. Indoor acoustic and daylighting improvements
6. Standards
7. Indoor climate: design, measurements and monitoring
8. Cases studies

**AiCARR**

Associazione Italiana Condizionamento dell'Aria Riscaldamento e Refrigerazione

**Historical and existing buildings:
designing the retrofit.**An overview from energy performances
to indoor air quality.**Roma 2014 February 26th-28th****ADVISORY COMMITTEE
OF INDUSTRY MEMBERS****ASSOCIATIONS****Abstract submission guideline**

- Title
- Authors names as well as the corresponding author's full address and contact details
- number of proposed topic max 2
- Keywords
- Purpose of the work - methodology - main results

Format

- A4 page (text minimum 4000 characters spaces included)

DEADLINES

Proposal for free papers: abstract (4000 characters including spaces) should be submitted to AiCARR web site within July 1st, 2013

TIME SCHEDULE 2013/2014

JULY, 1 ST	ABSTRACTS SUBMITTAL DEADLINE
JULY, 19 TH	ABSTRACTS ACCEPTANCE NOTICE
SEPTEMBER, 16 TH	COMPLETE PAPER SUBMITTAL DEADLINE
OCTOBER, 14 TH	ACCEPTANCE OF PAPERS OR REQUEST FOR AMENDMENTS
NOVEMBER, 15 TH	SUBMITTAL DEADLINE FOR AMENDED PAPERS
NOVEMBER, 30 TH	FINAL ACCEPTANCE PAPERS
FEBRUARY, 26-27-28	CONFERENCE

CONFERENCE RULES

Rules of the Conference for the Authors are published on AiCARR website at:

<http://www.aicarr.org> > Convegni > Author Area > Rules

LANGUAGE

Official Languages of the Conference are Italian and English.

Abstracts and papers will be in English.

CONFERENCE SECRETARIAT

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