ACI International Forum
ACI Fall 2016 Convention - Philadelphia
October 23rd, 2016

ACI Italy Chapter activities

Paolo Riva
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INTRODUCTION

The ACI Italy Chapter was founded in 2003 by Prof. Antonio Nanni. The first President, now Honorary President of the Chapter, was Prof. Mario Alberto Chiorino.

The Board of Directors includes sixteen members from academic, industrial and professional institutions, from all over the Country.

The Chapter has over sixty associates and, among them, four sustaining members representing industrial institutions (BASF Italia, Calcestruzzi (Italcementi Group), General Admixtures and Kerakoll). Around 1/4 of the associates are student members (PhD and young researchers)
INTRODUCTION

Officers 2013-2016

Roberto Realfonzo, President, Univ. of Salerno
Paolo Riva, Vice President, University of Bergamo
Mario Alberto Chiorino, Honorary President, Polytechnic Univ. of Turin
Michele Valente, Past President, General Admixtures

Paolo Casadei, Product Manager Kerakoll
Luigi Coppola, University of Bergamo
Ciro Faella, University of Salerno
Liberato Ferrara, Polytechnic Univ. of Milan
Pietro Gambarova, Polytechnic Univ. of Milan
Antonio Grimaldi, University of Rome
Ivana Torresan, Manager BASF Italia
Gennaro Magliulo, University of Naples
Giuseppe Marchese, Manager Calcestruzzi (italcementi Group)
Giacomo Moriconi, University of Marche
Emidio Nigro, University of Naples
Giovanni Plizzari, University of Brescia
First Edition
Innovation in Concrete Structures and Cementitious Materials
SAIE Bologna - Italy, October 23rd 2014

The Competition was organized by ACI Italy Chapter and Federbeton

Editors: Pietro G. Gambarova, ACI IC Director, and Roberto Realfonzo, ACI IC President

Scientific Committee Members:
Pietro G. Gambarova (coordinator, ACI-Italy Chapter)
Liberato Ferrara
Ezio Giuriani
Franco Mola
The PhD dissertations focused on structural concrete and R/C - P/C structures. The long summaries were collected in a volume and organized in three main sections:

**Session A:** Cementitious Materials and Reinforcement
A.1. Experimental tests on the structural cementitious mixtures
A.2. Numerical models of concrete

**Session B:** RC and prestressed RC Structures
B.1. Static actions
B.2. Dynamic, seismic and impulsive actions

**Session C:** Historical Architecture and Reinforced Concrete
C.1. Tall buildings and seismic actions
C.2. Rationalism and seismic actions
CHAPTER ACTIVITIES - PhD Student Award 2014

The Scientific Committee conferred three awards, with a prize of 1000 euros for each winner:

1. Antonio Caggiano
   “Meso-Mechanical Analysis of Steel Fiber-Reinforced Cementitious Composites”

2. Antonella D'Alessandro
   “The Use of Nanotechnologies for the Production of Strain-Sensitive Cementitious Materials”

3. Francesco Lo Monte
   “Reinforced Concrete in Fire: from Materials Behaviour to Spalling sensitivity and Structural Modelling”

The Scientific Committee conferred also 5 special mentions to PhDs:

Dario De Domenico, Manuel Quagliiaroli, Michele Palermo, Chiara Rossino e Giuseppe Sciumè.
CHAPTER ACTIVITIES - PhD Student Award 2016

Second Edition
Innovation in Concrete Structures and Cementitious Materials
SAIE Bologna - Italy, October 19st 2016

The Competition was organized by ACI Italy Chapter and Federbeton

Editors: Pietro G. Gambarova, ACI IC Director, and Roberto Realfonzo, ACI IC President

Scientific Committee Members:
Prof. Luca Bertolini - Politecnico di Milano
Prof. Luigi Coppola - Università di Bergamo - ACI Italy Chapter
Prof. Pietro Gambarova - Politecnico di Milano - ACI Italy Chapter
Prof.ssa Livia La Mendola - Università di Palermo
Prof. Annibale Luigi Materazzi - Università di Perugia
Eng. Luca Turri - Federbeton
The PhD dissertations focused on structural concrete and R/C - P/C structures. The long summaries will be collected in a volume and organized in three main section:

Session A: Cementitious Materials and Reinforcement  
A.1. Experimental tests on the structural cementitious mixtures  
A.2. Numerical models of concrete

Session B: RC and prestressed RC Structures  
B.1. Static actions  
B.2. Dynamic, seismic and impulsive actions

Session C: Durability, sustainability, safety and retrofitting for materials and structures  
C.1. Durability and sustainability of concrete materials  
C.2. Safety and retrofitting

The Committee has received 29 long summaries of PhD dissertations defended in the period 2014-2016, coming from 13 Italian Universities.
CHAPTER ACTIVITIES - PhD Student Award 2016

The Scientific Committee conferred three awards, with a prize of 1000 euros for each winner:

1. Isabella Colombo
   “Multilayer precast façade panels: structural optimization for energy retrofitting”

2. Irene Finozzi
   “structural response of corrosion-damaged RC members: modeling and testing”

3. Forood Torabian
   “Nanoparticles as a means to improve the durability of cement composites”

The Scientific Committee conferred also 7 special mentions to PhDs:

Matteo Breveglieri, Thomaz Buttignol, Bruno Alberto Dal Lago, Iolanda Del Prete, Jacopo Donnini, Fabio Macobatti, Andrea Tinnini.
First Edition of the International Workshop on Durability and Sustainability of Concrete Structures (DSCS 2015), Bologna - Italy, 1-3 October 2015

The Workshop was organized by ACI Italy Chapter together with the Department of Civil, Chemical, Environmental, and Material Engineering (DICAM) of the University of Bologna, and co-sponsored by ACI Committee 201

The Workshop Proceedings were collected in an ACI Special Publication (SP – 305)
CHAPTER ACTIVITIES – International Workshop DSCS 2018

Second Edition of the International Workshop on Durability and Sustainability of Concrete Structures (DSCS 2018), Moscow - Russia

ACI Member and member of ACI TC 236 and 241, RILEM Fellow Member and Head of Russian delegation in fib, Prof. Vyatcheslav Falikman, a member of the Scientific Committee of the Workshop representing the Russian National Scientific Research Center “Construction” and the Structural Concrete Association, provided an invitation for a second edition of the Workshop to be held in Moscow in 2018, with possible co-sponsorship also, besides ACI, of RILEM and fib.
CHAPTER ACTIVITIES – International Workshop DSCS 2018

Venue: Russian Academy of Sciences

Expected Co-sponsorships

American Concrete Institute
Always advancing

RILEM

Fib
CEB-FIP

ACI Fall 2016 Convention Philadelphia
CHAPTER ACTIVITIES – Workshop NBSC

ACI IC Workshop
New Boundaries of Structural Concrete

First Edition
Salerno, April 2010

Second Edition
Ancona, September 2011

Third Edition
Bergamo, October 2013
CHAPTER ACTIVITIES – Workshop NBSC

IV edition of the Workshop
New Boundaries of Structural Concrete
organized by ACI IC and University of Naples
Villa Orlandi, Capri, Italy
September 30th, October 1st 2016

Organizing Committee
A. Bilotta (Univ. of Naples)
G. Magliulo (Univ. of Naples – ACI IC Director)
E. Nigro (Univ. of Naples – ACI IC Director)
R. Realfonzo (ACI IC President)
P. Riva (ACI IC Vice President)
The Scientific Committee has received, reviewed and accepted 45 papers from National and International authors, collected in the Workshop Proceedings

- Session A – Performance and life-cycle costs of new concrete structures
- Session B – Controlled-performance concrete
- Session C – New scenarios for concrete
- Session D – Concrete quality control on site
- Session E – Innovative strengthening systems for concrete structures
- Session F – SUPERCONCRETE Project (H2020-MSCA-RISE-2014, n.645704)
CHAPTER ACTIVITIES – Excellence in Concrete Award

ACI Italy Chapter served as Supporting Chapter for the application of Palazzo Italia (Italian Pavilion – Expo 2015, Milan) at the second Edition of the Excellence in Concrete Construction Award for the category “Decorative Concrete”
CHAPTER ACTIVITIES – Excellence in Concrete Award

Construction Team Members

**Owner**
Expo 2015 spa

**Architectural Firm**
Nemesi & Partners srl

**Engineering Firm**
Bms progetti srl and Proger Spa

**General Contractor Company**
Italiana Costruzioni

**Concrete Contractor Company**
Styl-Comp

**Concrete Supplier Company**
Italcementi
CHAPTER ACTIVITIES – Certification Programs

ACI Italy Chapter as Sponsoring Group 2016

Scientific Committee
Antonio Grimaldi
Giuseppe Marchese
Giacomo Moriconi

Sponsoring Group Activities

Concrete Field Testing Technician - Grade I Certification: is an individual who has demonstrated the knowledge and ability to properly perform and record the results of seven basic field tests on freshly mixed concrete.

Concrete Construction Special Inspector (CCSI) Certification: is a person qualified to inspect and record the results of concrete construction inspection based on codes and job specifications.

The courses will start in December 2016.
CHAPTER ACTIVITIES – Certification Programs
ACI Italy Chapter as Sponsoring Group 2016

The Certification Programs include online training courses, laboratory classes and final exams.
THANK YOU

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