

ACI International Forum
ACI Virtual Convention – Fall 2020
October 25th, 2020

ACI Italy Chapter activities 2019-2022



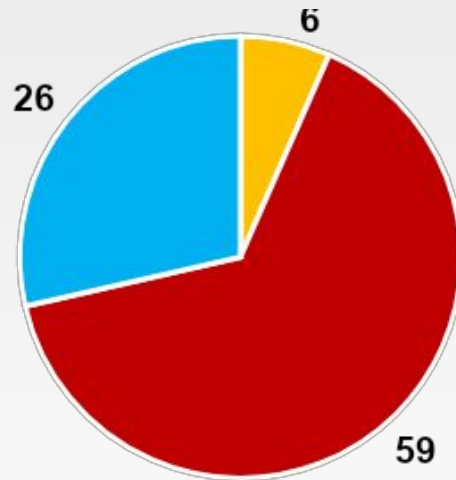
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INTRODUCTION

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 seventeen eminent personalities
from academic, industrial and professional institutions.

109 members



Sustaining members:
Buzzi Unicem, Calcestruzzi SpA,
General Admixture, Kerakoll,
Mapei, MBCC-Group

- Sustaining members
- Individual members
- Young members



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ITALY
aci
CHAPTER

In collaborazione con
Federbeton
CONFINDUSTRIA

IL CALCESTRUZZO? LA SOLUZIONE PER

GIOVEDÌ 14 MARZO 2019 ORE 14
SALA SCORPIO FIERA RHO MILANO

Il calcestruzzo è la soluzione ideale per qualsiasi tipo di opera, grande o piccola che sia, per le sue potenzialità strutturali, estetiche, architettoniche e di sostenibilità, che ne fanno il materiale da costruzioni alla base della maggior parte delle opere costruite.

Se ben progettate le strutture in calcestruzzo hanno limitate esigenze di manutenzione, insieme ad altre proprietà come la capacità di resistere al fuoco, far risparmiare energia e, in ottica di economia circolare, accogliere materiali riciclati.

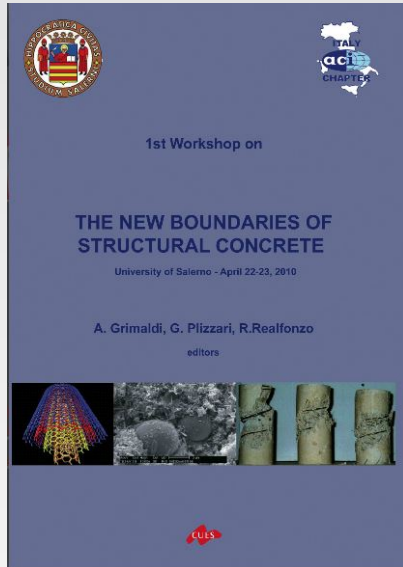
Main Topics

“Concrete? The ideal solution” for:

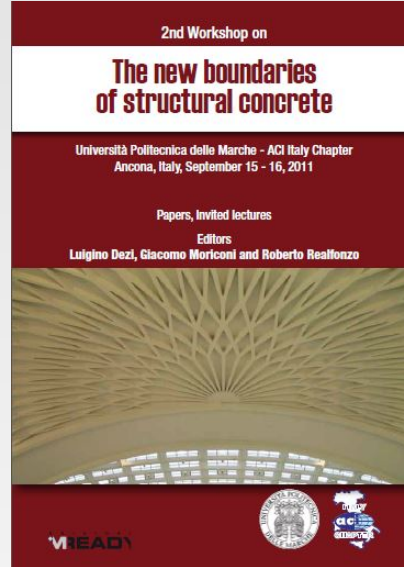
- Tall buildings
- Flooring & Tunneling
- Water purification plants
- Anti-seismic structures
- Infrastructures
- 3D Printing
- Concrete design

CHAPTER ACTIVITIES – Workshop NBSC

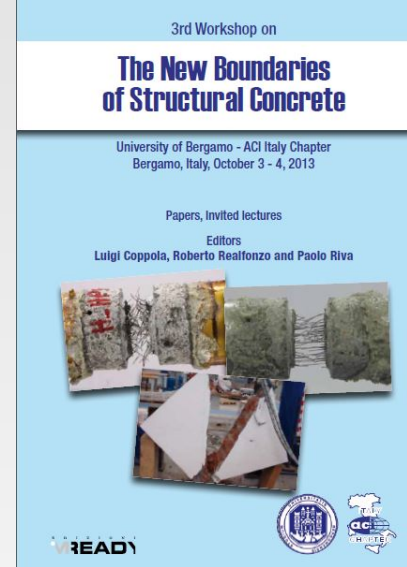
ACI IC Workshop New Boundaries of Structural Concrete



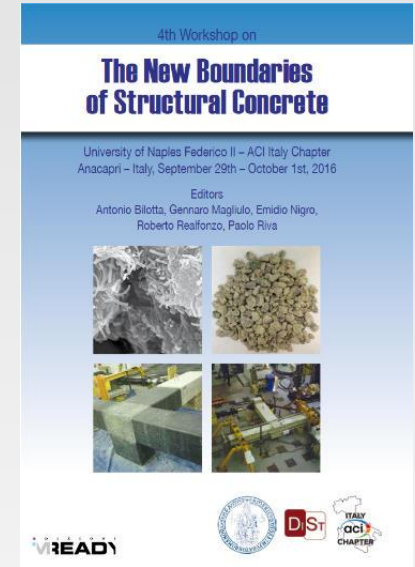
**First Edition
Salerno,
April 2010**



**Second Edition
Ancona,
September 2011**



**Third Edition
Bergamo,
October 2013**



**Fourth Edition
Capri,
September
October 2016**



CHAPTER ACTIVITIES – Workshop NBSC 2019



**POLITECNICO
MILANO 1863**

5th edition of the Workshop New Boundaries of Structural Concrete

**organized by
ACI Italy Chapter
and**

**Department of Civil and Environmental
Engineering of Milan Polytechnic
19 - 20 September 2019, Milan**

Organizing Committee

**L. Coppola (ACI President)
L. Ferrara (ACI IC Vice President)
R. Realfonzo (ACI IC past President)
P. Riva (ACI IC)
P. Gambarova (Politecnico of Milano –
ACI IC)**

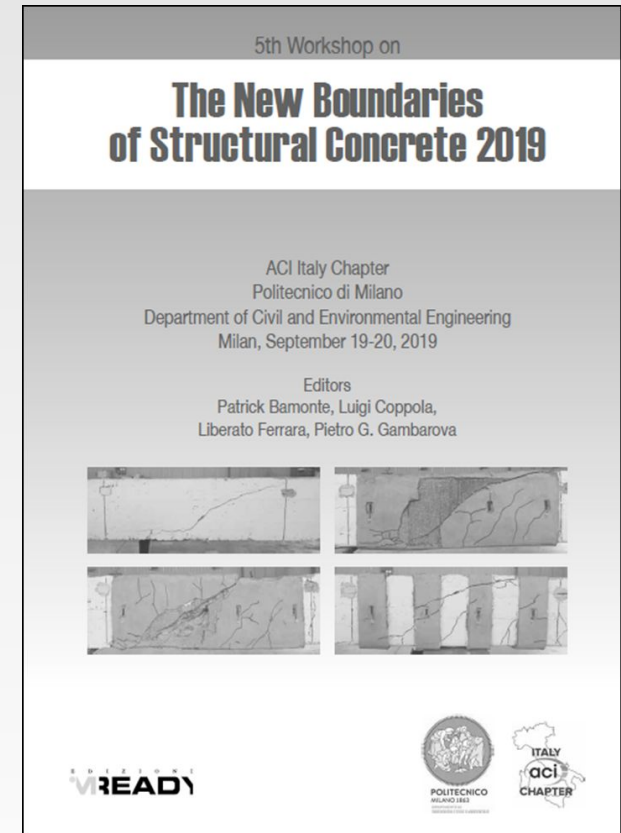


CHAPTER ACTIVITIES – Workshop NBSC 2019

The Scientific Committee has received, reviewed and accepted **50 papers** from National and International authors. The **attendants were more than 100.**

Main topics

- Innovative cementitious materials
- Corrosion and self-healing in RC structures
- Concrete and reinforced-concrete under extreme environmental conditions
- Recycling of concrete
- Short and long term behavior of RC structures
- Bond and connections in RC, PC and mixed structures
- Strengthening and repair of concrete structures
- Performance and life-cycle of new concrete structures



CHAPTER ACTIVITIES – Workshop NBSC 2021



The **sixth edition** of the workshop **New Boundaries of Structural Concrete** will be organized by ACI IC in collaboration with the University of Salento



OCTOBER 2021, Lecce



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CHAPTER ACTIVITIES – Luca Bertolini Memorial Award 2019

The award ceremony took place at the Milan Polytechnic, on the occasion of the fifth workshop "The New Boundaries Of Structural Concrete".



The award, named after the famous expert in concrete and corrosion who passed away in February 2017, was promoted by the American Concrete Institute Italy Chapter (ACI-IC) and by the Cementitious Materials and Durability Group (mCD) of Politecnico di Milano, to commemorate the scholar and his passion in research in the field of building materials and their durability.



CHAPTER ACTIVITIES – Luca Bertolini Memorial Award 2019

Elisa Franzoni, co-author of the scientific publication

"The "Terranova" render of the Engineering Faculty in Bologna (1931-1935): reasons for an outstanding durability"
Materials and Structure (2017),

won the first edition of the Luca Bertolini Memorial Award.



CHAPTER ACTIVITIES – Excellence in Concrete Award

ACI Italy Chapter served as **Supporting Chapter** for the application of Generali Tower (City Life, Milan 2014 - 2017) designed by Zaha Hadid at **Excellence in Concrete Construction Award 2019 – High rise buildings**

Construction Team Members

Owner
Generali

Architectural Firm
Zaha Hadid

Engineering Firm
Mauro Eugenio Giuliani – Redesco

General Contractor
C.M.B Carpi (MO)

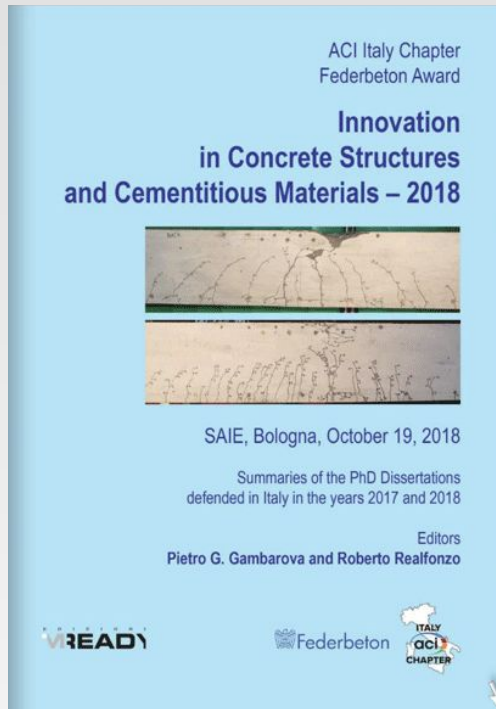


CHAPTER ACTIVITIES – Excellence in Concrete Award

Generali Tower – Milano, Italy, has won **first place in the High-Rise Buildings** (over 15 stories) Category of the 2019 Excellence in Concrete Construction Awards Program



CHAPTER ACTIVITIES - PhD Student Award 2018



Third Edition **Innovation in Concrete Structures and** **Cementitious Materials**

SAIE Bologna - Italy, October 19th 2018

The Competition was organized by
ACI Italy Chapter and Federbeton

Editors:

Pietro G. Gambarova, ACI IC
Roberto Realfonzo, ACI IC Past President

The Fourth Edition will be held on March 17-20 2021
at MADE Expo 2021, Milan.

The selection started from 1st November 2020



CHAPTER ACTIVITIES - PhD Student Award 2018

The Committee has received **22 long summaries of PhD dissertations** defended in the period **2016-2018**, coming from 16 Italian Universities.

The Scientific Committee conferred **three awards**, with a prize of 1000 euro for each winner.



CHAPTER ACTIVITIES - SAIE Bologna 2020



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ACI Italy Chapter



Napoli, 30 settembre 2020

PRESIDENT

Prof. Luigi Coppola
Dipartimento di Ingegneria e Scienze Applicate, Università di Bergamo
via Pausanias 7b - 24044 Dalmine (BG)
Tel. +39 035 2062030
luigi.coppola@unibg.it

SECRETARY

Ing. Valterina Trinchese
DIST Dipartimento delle Strutture per l'Ingegneria e l'Architettura -
Università di Napoli Federico II
Via Claudio 21, I - 80125 NAPOLI, Italy
Tel. +39 333509675
aciitalychapter@gmail.com

Mercoledì 14 ottobre dalle ore 10.00 alle 12.30

Innovazione nella Tecnologia del Calcestruzzo

Realizzato in collaborazione con ACI IC – American Concrete Institute - Italy Chapter

Moderatori

Luigi Coppola – Presidente ACI - IC

Liberato Ferrara – Vice Presidente ACI - IC

Seminar on “Concrete Innovations” Main Topics:

- The construction of San Giorgio bridge in Genoa
- Concrete for tall buildings: the PWC tower in Milan
- The self-healing UHPFRC
- Alternative binders to Portland cement
- Concretes for slabs on ground
- The strengthening of concrete structures



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CHAPTER ACTIVITIES - SAIE Bologna 2020



Discussion on
**“Sustainability and
digitalization of concrete
industry”**

Organized by ATECAP,
Italian organization of
premixed concrete
producers

**ACI IC president Luigi
Coppola was present as
invited speaker**



FRANCESCO BIASIOLI
Segretario Ermco



ANDREA BOLONDI
Presidente Atecap



GIOVANNI PLIZZARI
Professore Tecnica delle Costruzioni



LUIGI COPPOLA
Presidente ACI Italy Chapter



PIERO PETRUCCO
Vicepresidente Ance e Fied



MARCO BORRONI
Presidente Ermco



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CHAPTER ACTIVITIES – GDS Pedeferri

Second edition

**Workshop «Pietro Pedeferri»
on durability of reinforced concrete
structures.**

Milan, November 27, 2020.

ACI IC is a **sponsor of the event.**

ACI IC vice-president Liberato Ferrara
presented a focus on the “ReSHEALience
Project” and a **young ACI IC member**
Denny Coffetti discussed on “Durability of
concretes manufactured with alternative
binders to Portland cement in natural and
industrial environments”



The poster features the logos of the Politecnico di Milano (1863), the Department of Chemical, Materials and Chemical Engineering (Giulio Natta), PoliLaPP, and mCD (concrete durability). The date is 27 novembre 2020. The title is 'Giornata di studio "Pietro Pedeferri" Seconda edizione'. The theme is 'La durabilità delle opere in calcestruzzo armato'. The central image shows a close-up of several colorful, textured concrete samples. The text 'Con il patrocinio di:' is followed by logos for APCE (Associazione per la Protezione dalle Corrosioni Elettrolitiche), AIMAT (Associazione Italiana d'Ingegneria dei Materiali), AIM (Associazione Italiana di Metallurgia), Centro Inox (Acciaio Possibile), and the ACI Italy Chapter. At the bottom, there are logos for NACE International (Milano Italia Section) and a logo for 'ME' (Associazione Tecnologi per l'Edilizia).

POLITECNICO
MILANO 1863
DIPARTIMENTO DI CHIMICA,
MATERIALI E INGEGNERIA CHIMICA
GIULIO NATTA

PoliLaPP

concrete
durability
mCD

27 novembre 2020

Giornata di studio "Pietro Pedeferri"
Seconda edizione

La durabilità delle opere in calcestruzzo armato

Con il patrocinio di:

APCE
ASSOCIAZIONE PER LA PROTEZIONE
DALLE CORROSIONI ELETTROLITICHE

AIMAT
ASSOCIAZIONE ITALIANA D'INGEGNERIA DEI MATERIALI

AIM
ASSOCIAZIONE
ITALIANA
DI METALLURGIA

ACCIAIO
POSSIBILE
CENTRO INOX

ITALY
aci
CHAPTER

ME
ASSOCIAZIONE TECNOLOGI PER L'EDILIZIA

NACE
INTERNATIONAL
SECTION
MILANO ITALIA

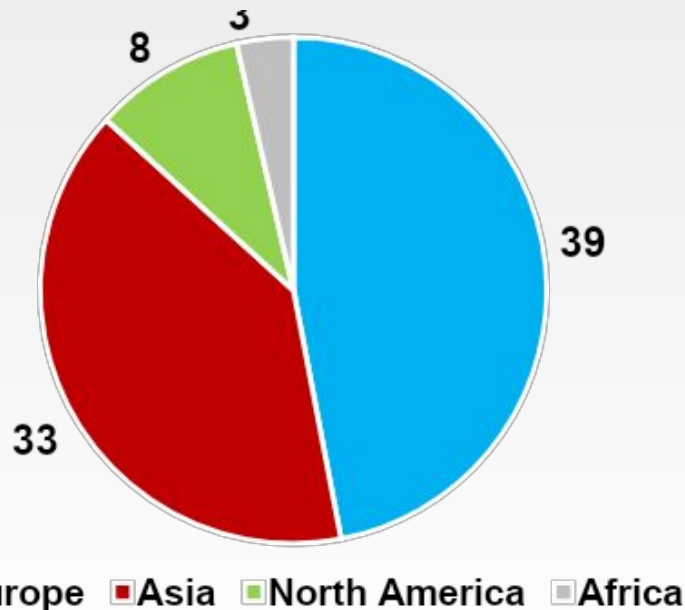
CHAPTER ACTIVITIES – International Conference

Thirteenth Edition

**Superplasticizers and other Chemical Admixtures in Concrete
(SOCAC 2021)**

Milan – Italy, 1-3 November 2021

The Conference will be organized by **ACI Italy Chapter** together with the Department of Engineering and Applied Science of the **University of Bergamo**



83 abstracts submitted



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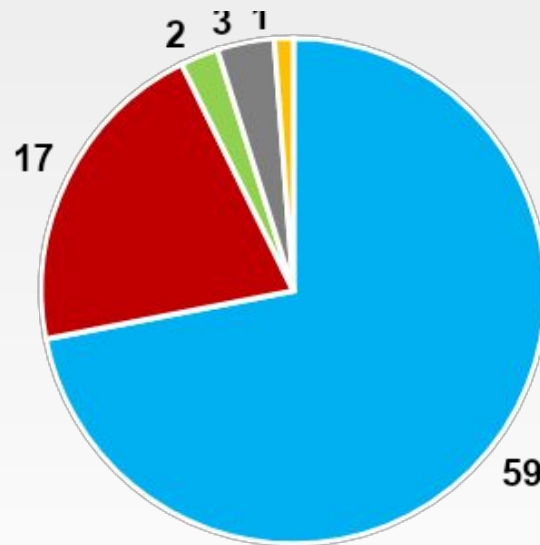
CHAPTER ACTIVITIES – International Conference

Fifteenth Edition

**Recent Advances in Concrete Technology and Sustainability
Issues (RACTSI 2021)**

Milan – Italy, 3 - 5 November 2021

The Conference will be organized by **ACI Italy Chapter together
with the Department of Engineering and Applied Science of the
University of Bergamo**



82 abstracts submitted



■ Europe ■ Asia ■ North America ■ Africa ■ Australia



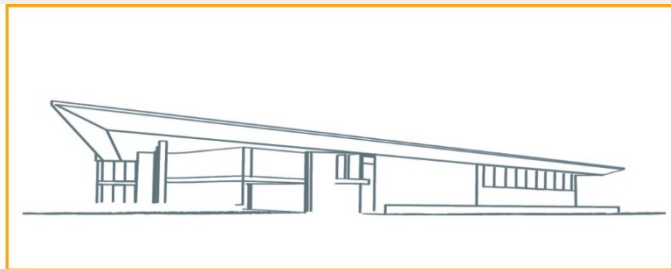
CHAPTER ACTIVITIES – Certification Programs

ACI Italy Chapter as Sponsoring Group 2020

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.

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



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CHAPTER ACTIVITIES – Workshop DSCS 2022



Bologna, 2015



Moscow, 2018

The 3rd International Workshop on **Durability and Sustainability of Concrete Structures will be held in 2022.**

The conference can be potentially organized in **Dubai by American University in Dubai, American University of Sharjah, UAE-ACI local chapter and ACI Italy chapter.**



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THANK YOU

www.aciitaly.com

aciitalychapter@gmail.com

