

REGISTRATION FEES

FEES	Face-to-face	Online
Associates (1)	110€	50€
Early Registration for associates (1) (2)	85€	50€
Young Associates (1) (3)	45€	25€
Non Associates	130€	60€
Students (4)	30€	20€

The fees include VAT.

- (1) Associates of ACHE
 - (2) Associates registration received at the Secretariat before September 15th
 - (3) Associates under 35 years old
 - (4) It will be mandatory to attach a copy of the current registration receipt
- Registrations in www.e-ache.com

DATE AND LOCATION

The Conference will be held on October 17th, 2023 at the *Salón de Actos* of the *Escuela Técnica Superior de Ingenieros de Caminos, Canales y Puertos*, Retiro Building (former *Escuela de Ingenieros de Obras Públicas*).

C/Alfonso XII 3-5 - 28014 Madrid (Spain)

ACCESS MAP

A: Road Access: C/Luis Camoens esq. Juan Valera

B: Road Access: C/Alfonso XII 3-5

C: Pedestrian Access: C/Infanta Isabel



INFORMATION ABOUT ACHE

The Spanish Association of Structural Engineering (ACHE), non-profit in nature and declared to be of public utility, aims to promote progress of all kinds relating to structures and channels Spanish participation in similar international associations. To this end, it promotes research, teaching, dissemination, continuous training and pre-normalization activities. Among others, it publishes technical monographs and edits the quarterly journal *Hormigón y Acero*. In addition, it organises an International Congress on Bridges and Building Structures every three years and an Annual Technical Conference the remaining years. ACHE has nearly a thousand associated engineers and architects, eight technical commissions, and more than thirty active working groups.

CONFERENCE INFORMATION

ACHE Secretariat

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ORGANISES



COLLABORATES



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2nd GENERATION OF EUROCODE 2 ON CONCRETE STRUCTURES

PRESENTATION OF THE SPECIAL ISSUE OF *HORMIGÓN Y ACERO*



EUROCODES

EN 1992

Design of concrete structures

OCTOBER 17th 2023 | MADRID
FACE-TO-FACE and ONLINE



www.e-ache.com

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ArcelorMittal Fibres
Reinforced concrete solutions



PRESENTATION

This 2nd generation of the Eurocode 2, to be published as EN standards within 2023, corresponds to an updated version with the most recent consolidated knowledge on concrete structures regarding the previous standards approved in 2004. Besides, the field of application has been extended to cover the assessment and strengthening of existing structures, steel fibre concrete structures and reinforcing bars made of stainless steel or fibre polymers.

A monographic issue of the *Hormigón y Acero* journal of ACHE (Spanish Association of Structural Engineering) has been published at www.hormigonyacero.com to inform the worldwide technical community on some of the relevant changes in the 2nd generation of Eurocode 2 on concrete structures. It includes 15 papers that have been written by some members of the Spanish Mirror Group on Eurocode 2 (UNE CTN140/SC2) and some members of the European sub-committee CEN TC250/SC2 Eurocode 2.

ACHE, Spain fib (The International Federation for Structural Concrete) statutory member, together with *Hormigón y Acero* journal organize an event on October 17th, 2023 at the Retiro Building of the *Escuela de Ingenieros de Caminos, Canales y Puertos*, Madrid, to present the most relevant changes in Eurocode 2. Four conferences by invited speakers from Switzerland, UK and Italy are included in the programme together with ten presentations by some Spanish speakers involved in the preparation of this 2nd generation of the Eurocode 2.

This event is coordinated by Jesús Rodríguez, chairman of UNE CTN140/SC2 Eurocódigo 2 and associate editor of issue No. 299-300 of *Hormigón y Acero*.

PROGRAMME

8:30 | 9:00

Registration

OPENING SESSION

9:00 | 9:30

José Miguel Atienza

Director of ETSICCP, Universidad Politécnica de Madrid

Miguel Ortega

President of ACHE

Gonzalo Ruiz

Editor-in-chief of *Hormigón y Acero*

Juan Jesús Álvarez

President of Events Committee of ACHE

1st TECHNICAL SESSION

Chairman Jesús Rodríguez

Chairman of UNE CTN140/SC2 Eurocódigo 2

9:30 | 11:15

9:30 Invited conference on the scope and main changes in the new Eurocode 2

Hans R. Ganz

Former chairman of CEN TC250/SC2 Eurocode 2, Switzerland

10:15 Adjustment of partial factors for materials and new approach for concrete strength

José M^a Arrieta

Secretary of UNE CTN140/SC2 Eurocódigo 2.

Proes Consultores

Associate Professor, Universidad Politécnica de Madrid

10:30 Durability in the new Eurocode 2 and future EN206-100

M^a Carmen Andrade

Visiting research professor, CIMNE

David Izquierdo

Assistant Professor, Universidad Politécnica de Madrid

10:45 Assessment of existing structures

Eduardo Díaz-Pavón

Director of Assessment and Patology Department, Intemac

11:00 Strengthening concrete structures with FRP laminates

Eva Oller

Associate Professor, Universitat Politècnica de Catalunya

11:15 | 11:30 Q&A

11:30 | 12:00 Coffee Break

2nd TECHNICAL SESSION

Chairman Jesús Rodríguez

Chairman of UNE CTN140/SC2 Eurocódigo 2

12:00 | 14:00

12:00 Invited conference on shear and punching

Aurelio Muttoni

Chairman of PT1 for the new Eurocode 2
Professor, École Polytechnique Fédérale de Lausanne, Switzerland

12:45 Shear resistance of members without shear reinforcements in presence of compressive axial forces

Pedro Miguel

Professor, ICITECH, Universitat Politècnica de València

Miguel Ángel Fernández

Professor, ICITECH, Universitat Politècnica de València

13:00 Stress field and strut-and-tie models

Miguel Fernández Ruiz

Professor, Universidad Politécnica de Madrid

13:20 Cracking and deflections

Alejandro Pérez

Director, Fhecor Ingenieros Consultores

Associate Professor, Universidad Politécnica de Madrid

13:45 | 14:00 Q&A

14:00 | 15:00 Cocktail

3rd TECHNICAL SESSION

Chairman Alejandro Pérez

Chairman of CEN TC250/SC2 Eurocode 2

15:00 | 17:15

15:00 Invited conference on anchorage and laps of reinforcing steel

John Cairns

Associate Professor, Heriot-Watt University, Edinburgh, UK

15:45 Invited conference on the new items in fire design of concrete structures (EN1992-1-2)

Patrick Bamonte

Member of PT2 for the new Eurocode 2
Associate Professor, Politecnico di Milano, Italy

16:25 Fatigue design

Juan Carlos Lancha

Neos Maritime Consulting

Carlos Ríos

Ideam T.Y. Lin International Group

16:40 Embedded FRP reinforcement

Lluís Torres

Professor, Universitat de Girona

16:55 Steel fibre reinforced concrete structures

Albert de la Fuente

Professor, Universitat Politècnica de Catalunya

Gonzalo Ruiz

Professor, Universidad de Castilla-La Mancha

17:15 | 17:30 Q&A

CLOSING SESSION

17:30 | 17:45

Miguel Ortega

President of ACHE

Gonzalo Ruiz

Editor-in-chief of *Hormigón y Acero*

Juan Jesús Álvarez

President of Events Committee of ACHE