



INVITATION



Congress on
Numerical Methods in Engineering (CNM)
June 25 – 28, 2013
Bilbao, Spain



SEMNI
Sociedad Española de
Métodos Numéricos
en Ingeniería
25 años





Welcome to CNM 2013!

The Congress on Numerical Methods in Engineering 2013, jointly organized by the Spanish (SEMNI) and Portuguese (APMTAC) associations for numerical methods, will be a meeting point for researchers and technicians of both countries and the Latin American community. It aims to act as a forum to collect relevant scientific and technical developments in the numerical methods and computational mechanics fields.

Previous meetings of the Congress on Numerical Methods in Engineering were held in Madrid (2002), Lisbon (2004), Granada (2005), Porto (2007), Barcelona (2009) and Coimbra (2011).

CNM 2013 precedes the 25th Anniversary of the Spanish Society for Numerical Methods in Engineering (SEMNI), in 2014. On July 20-25, 2014 will take place in Barcelona the joint organization of the 11th. World Congress on Computational, the 5th European Conference on Computational Mechanics (ECCM V) and the 6th European Conference on Computational Fluid Dynamics (ECCFD VI) in coincidence with this anniversary.

Organizing Institutions



[Sociedad Española de Métodos Numéricos en Ingeniería \(SEMNI\)](#)



[Associação Portuguesa de Mecânica Teórica, Aplicada e Computacional \(APMTAC\)](#)



Ingeniaritza Goi Eskola Teknikoa
Escuela Técnica Superior de Ingeniería
Bilbao

[Escuela Técnica Superior de Ingeniería de Bilbao \(ETSI\)](#)

Organizing Committee

SEMNI

Jesús María Blanco, *UPV/EHU, Bilbao, Spain*

Alberto Peña, *UPV/EHU, Bilbao, Spain*

Irene Arias, *UPC, Barcelona, Spain*

APMTAC

José Miranda Guedes, *IST, Lisbon, Portugal*

Nuno Silvestre, *IST, Lisbon, Portugal*

Miguel Silva, *IST, Lisbon, Portugal*



Thematic Sessions

Advanced discretization methods

Structural Glass

Numerical Methods in Contact Mechanics

Genetic algorithms

A posteriori error estimation and mesh adaptivity

Nanomechanics

Computational fluids dynamics

Structural and fracture dynamics

Micromechanics of defects in materials

Elasticity and resistance of materials

Stability and non-linear behaviour of steel structures

Fracture mechanics

Steel and composite structures

Non-newtonian fluids and glaciology

Geotechnics

Computational methods in acoustics and vibrations

Computational methods in acoustics and vibrations

Model reduction techniques in engineering

Computational methods in experimental mechanics

Finite element methods for convection-diffusion problems

Structural and Multidisciplinary Optimization

Numerical methods for turbomachinery and rotating flows

Computational biomechanics and applications

Numerical modeling of concrete non-linear behavior

Fiber concrete

Numerical methods for electromagnetics problems

Composite materials

Modelling coastal processes in nearshore zones

Numerical methods in dams engineering

Image Processing and Visualization

Biomechanics and biomechatronics

Inverse problems and non-destructive evaluation

Adaptive meshing: generation and refinement

Isogeometric Analysis

Simulation of forming processes

Heat and mass transfer

Geomaterials

Applications to electronic engineering

Structure engineering

Incremental stamping

Flow in porous media

Neuronal networks

Environmental engineering

Transport engineering

Behaviour of thin wall structures

Multi-body dynamics

Computational hydraulic

Contact materials

Dynamic material behaviour

Polymers structures

Linear algebra parallel methods

Meshfree Methods

Modeling in biological and biomimetics processes

Numerical modeling in fire safety engineering

Coastal oceanography and engineering

Residual methods for differential equations

Coupling and parallel problems

Adaptive and error estimation

Seismic engineering



CMN 2013 SPONSORSHIP CONDITIONS

A) Sponsorship Packages

Three levels of sponsorship packages will be allowed for this congress: PLATINUM, GOLD and SILVER.

PLATINUM Sponsor: **€7,000.–**

It includes:

- Exhibition space with preferred choice of allocation and size in the designed area.
- 2 complimentary congress registrations including receipt of the congress bag with all congress documents, free access to the welcome cocktail, coffee breaks, meals and banquet.
- Presentation of your latest developments/products to your target audience by a 45 minutes speech. Time slot will be allotted for your company, in parallel to the congress programme. You will be provided with an appropriate lecture room and standard technical equipment and announced both in the final programme and on the congress website.
- Recognition as “Platinum Sponsor” with the largest company name and logo on the congress website and during the congress presentation.

GOLD Sponsor: **€5,000.–**

It includes:

- Exhibition space with choice of allocation after Platinum Sponsors.
- 1 complimentary congress registration including receipt of the congress bag with all congress documents, free access to the welcome cocktail, and to the coffee breaks.
- Recognition as “Gold Sponsor” with the second largest company name and logo on the congress website and during the congress presentation.

SILVER Sponsor: **€3,000.–**

It includes:

- Exhibition space with choice of allocation after Platinum and Gold Sponsors.
- Recognition as “Silver Sponsor” with the third largest company name and logo on the congress website and during the congress presentation.

B) Sponsoring items

Your company can choose a combination of different items to be sponsored, depending on the abovementioned level, such are:

Support of the congress banquet **€5,000.–**

The congress banquet will take place on Thursday, June 27 in the new spaces of the international conference centre Euskalduna. It is the main social event of the congress and represents a unique opportunity to leave a lasting impression to all attendees. Special actuations will be displayed during this event. Your signs can be set up around the banquet area and special nomination will be dedicated during the prizes giving speech.

Support of the congress welcome cocktail **€4,000.–**

The welcome cocktail is a very highly attended and lively event of the congress. No scientific sessions are held during this time, to allow both attendees and exhibitors time to interact with other colleagues.



Support of the congress plenary lectures

€3,000.–

Plenary lectures are usually fully attended sessions early in the mornings where invited well known scientist will conduct high standard speeches related to specific topics on numerical methods. The plenary lecturers usually come from all over the world so their expenses (travel and accommodation) are waived by the congress organization. Your signs can be set up in the auditorium.

Support of the congress coffee breaks and meals

€2,000.–

Coffee breaks offered twice a day (mornings and evenings) and meals offered once a day (afternoons) to all congress participants represent a relaxing time to interact with colleagues. Your support will be shown through your signs in the designed area.

Support of the congress bag inserts

€1,000.–

Your company leaflet or small brochure with a maximum size A4 will be inserted into each congress bag which will be distributed to all congress participants. Final number and shipping details to be confirmed in due course.

C) Conditions of Payment

All mentioned prices are net (VAT excluded).

All orders submitted with the sponsorship order form are binding and cannot be cancelled. Payment is due upon receipt of the invoice to:

I.B.A.N.: ES34 0019 0029 19 4128000891

Swift Code: DEUTESBBXXX

Holder: Sociedad Española de Métodos Numéricos en Ingeniería (SEMNI)

Bank: DEUTSCHE BANK

Branch: PASEO MANUEL GIRONA 10, 08034 BARCELONA, SPAIN (EU)

Important:

- All bank charges are the responsibility of the participant and should be paid in addition to the registration fees.
- Please remember to indicate “CMN 2013” and your “Company’s name” in the concept/reference when transferring the fee.
- A copy of the bank transfer must be sent to the Congress Secretariat by email or fax.

For further information on Sponsoring Opportunities or for discussing a customized sponsorship package that meets your specific marketing needs, please contact:

Mrs Cristina Forace and Mrs. Laia Aranda
Congress Secretariat

Sociedad Española de Métodos Numéricos en Ingeniería (SEMNI) Ed. C-1, Campus Norte UPC
C/Gran Capitán, s/n, 08034 Barcelona, Spain

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E-mail: cmn_2013@cimne.upc.edu

More information available at the **Conference Website:**

http://congress.cimne.com/cmn_2013



Sponsorship Booking Form CMN 2013

 Sociedad Española de Métodos Numéricos en Ingeniería 	Sociedad Española de Métodos Numéricos en Ingeniería (SEMNI) Edificio C-1, Campus Norte UPC C/Gran Capitán, s/n, 08034 Barcelona, Spain Tel: +34 93 405 46 96 E-mail: cmn_2013@cimne.upc.edu Fax: +34 93 205 83 47
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Company:	
VAT (EU):	
Invoice address:	
Zip code:	
City:	
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Phone:	
Fax:	
Email:	
Contact person:	

Sponsor support level:

<input type="checkbox"/>	PLATINUM
<input type="checkbox"/>	GOLD
<input type="checkbox"/>	SILVER

Sponsoring items:

<input type="checkbox"/>	Banquet (€ 5,000.-)
<input type="checkbox"/>	Welcome cocktail (€ 4,000.-)
<input type="checkbox"/>	Plenary lectures (€ 3,000.-)
<input type="checkbox"/>	Coffee breaks and meals (€ 2,000.-)
<input type="checkbox"/>	Bag inserts (€ 1,000.-)

Date:	Company's stamp:	Signature of Official Representative:
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