



GUIMARÃES, PORTO AND DOURO REGION

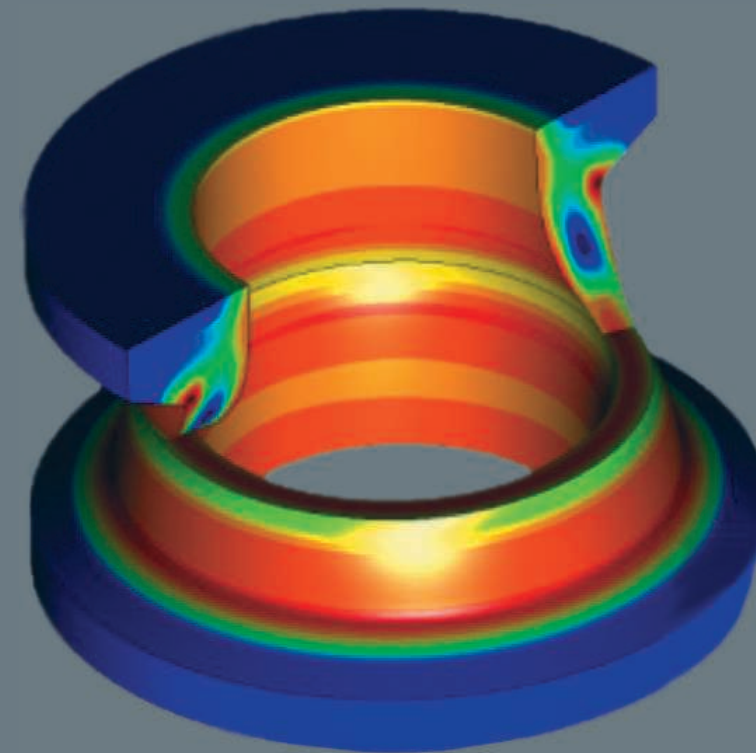
Guimarães is located in the north-western part of Portugal, 40 minutes away from Porto international airport. It is one of the most important historical cities in the country having been declared World Heritage Site in 2001 by UNESCO. Its many monuments and precious historical centre are associated with the past where the city played a major role in Portuguese history as the cradle of the nation.

Porto's centre was also designated a UNESCO World Heritage Site in 1996. With its tradition of wine making, magnificent Baroque architecture, distinct local cuisine and stunning landscape, this city has an abundance of culture. Porto was awarded the European Best Destination 2017.

The Douro Valley is a region located in the North of Portugal, where the Port wine production and the unique scenery sculpted by the Douro river are not to be missed. With three Heritage Sites recognized by UNESCO, there is no shortage of reasons to visit the Douro Valley, one of the most stunning landscapes in all of Portugal. Besides the wine, this region is also known for its high-quality olive oil and almond trees, that fill the valley with colour.

INFORMATION

For further information, please contact the Secretariat:
Congress on Numerical Methods in Engineering
Universidade do Minho
Departamento de Engenharia Civil
Campus de Azurém
P-4800-058 Guimarães – PORTUGAL
Tel +351 253 510200 Fax +351 253 510217
E-mail: cmn2019@civil.uminho.pt
<http://www.cmn2019.pt>



cmn2019

Congress on Numerical
Methods in Engineering

Congresso de Métodos
Numéricos em Engenharia

Congreso de Métodos
Numéricos en Ingeniería

july 1-3, 2019

1 a 3 julho 2019

1 a 3 julio 2019

University of Minho - PORTUGAL





PRESENTATION

The Congress on Numerical Methods in Engineering (CMN 2019) aims to be a forum for the discussion of relevant scientific, and technological developments in computational mechanics, numerical methods and engineering applications. CMN 2019 is jointly organized by the Portuguese (APMTAC) and the Spanish (SEMNI) Associations and follows the previous congress editions of Madrid (2002), Lisbon (2004), Granada (2005), Porto (2007), Barcelona (2009), Coimbra (2011), Bilbao (2013), Lisbon (2015) and Valencia (2017).

The scientific program will comprise plenary lectures from internationally known researchers and will be structured in thematic sessions in different research fields. The congress is open to professional engineers, researchers, educators, students and everyone else interested in numerical methods. The objective is to make the congress the best forum for dissemination of the latest scientific and technical developments and for exchange of new ideas in emerging topics.

CONGRESS VENUE

The congress will be held at Campus of Azurém, University of Minho, Guimarães, Portugal. The Campus of University of Minho, in Guimarães, is located next to the castle of the first king and within a 20 minutes walk from the historic city centre. Composed of eighteen buildings, on its north side, the campus is settled on a hill, with a wonderful landscape and excellent facilities for the conference.

GENERAL TOPICS

The main topics of the conference include:

Acoustics and Vibration	Material Fracture & Collapse
Aerodynamics	Mechanics of Soils and Rocks
Biomechanics	Medical Informatics
Boundary Elements	Mesh Generation/Refinement
Chemical Engineering	Meshless Methods
Coastal & Marine Engineering	Micromechanics
Composite Materials	Multibody Dynamics
Computational Biology	Multi-Scale Methods
Computational Geometry	Nanomechanics
Concrete Structures	Non-Newtonian Fluids
Contact Mechanics	Object Oriented Programming
Decision Support Systems	Optimization
Earthquake Engineering	Parallel Computing
Electromagnetism	Plastic Forming
Environmental Engineering	Plasticity & Viscoplasticity
Estimation Error	Probabilistic/Stochastic Meth.
Finite Elements	Signal Processing/Analysis
Fluid Mechanics	Simulation of Fireworks
Frictional Materials	Soft Computing
Genetic Algorithms	Solid Mechanics
Geotechnics	Steel & Composite Structures
Heat & Mass Transfer	Structural Dynamics
Historical Constructions	Structural Identification
Image Processing/Visualization	Structural Stability

KEY DATES

Deadline for submission of thematic session proposals May 15, 2018	Acceptance notification for abstracts January 15, 2019
Deadline for presenting a one page abstract (250 words) December 1, 2018	Deadline for full papers (optional) February 28, 2019
	Acceptance for full papers March 31, 2019