



**WCCM XI - ECCM V - ECFD VI
BARCELONA 2014**

11th. World Congress on Computational Mechanics (WCCM XI)

20 – 25 July 2014 - Barcelona, Spain

5th. European Conference on
Computational Mechanics
(ECCM V)
6th. European Conference on
Computational Fluid Dynamics
(ECFD VI)

Home

Welcome to the Congress!

Introduction

Organizers

Invited Lectures

Supporting Organizations

Sponsorship & Exhibition **NEW!**

Scientific Program **NEW!**

Social Events **NEW!**

List of Minisymposia

Special Technological Sessions

Short Courses **NEW!**

Registration & Congress Information **NEW!**

Registration Fees

Important Dates

Scholarships

Location & Congress Venue

Accommodation & Practical Information **NEW!**

About IACM

About ECCOMAS

Secretariat



Number of visits: 316169

23/07/2014 11:00 - 13:00

Advanced Computational Techniques in Geophysical Sciences I

Minisymposium organized by H  l  ne Barucq, Rabia Djellouli and Kersten Schmidt

Room: Sala B3

MS170A

Numerically robust parallel sweeping preconditioners

Jack Poulson and Lexing Ying

Simulation of seismic waves in anisotropic media

Patricia M. Gauzellino, Ricardo M. Ramos and Juan E. Santos

Wave propagation in fractured poroelastic media

Juan E. Santos

Cavity identification with piezoelectric sensors using iterated excitations and a topological sensitivity approach

Cédric Bellis and Sébastien Imperiale

Simulations of acoustic wave propagation with generalized multiscale Finite Element Methods

Richard L. Gibson, Jr., Eric T. Chung, Yalchin Efendiev, Wing Tat Leung and Shubin Fu

Large SVD computations for analysis of inverse problems in geophysics

Sergey Solov'yev and Sebastien Tordeux

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