



**The Abdus Salam  
International Centre for Theoretical Physics**



**2142-D4930**

**Advanced Conference on Seismic Risk Mitigation and Sustainable  
Development**

*10 - 14 May 2010*

**Welcome**  
*(Presentation)*

Directors: A. Peresan, M. Kouteva, R. Dmowska and B. Rouhban  
Loc.org. G.F. Panza  
Secretary: mrs. G. de Meo



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International Centre for Theoretical Physics



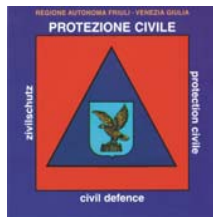
# Advanced Conference on Seismic Risk Mitigation and Sustainable Development

smr 2142, May 10-14, 2010, Trieste

Directors: A. Peresan, M. Kouteva, R. Dmowska, B. Rouhban

Local Organizer: G.F.Panza

Secretary: G. De Meo



Civil Defence of the  
Friuli Venezia Giulia  
Region



UNESCO-IPRED



ASSISi

Italian Ministry for Environment  
and Land and Sea



ASI- SISMA  
Pilot Project



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We are very happy to see all of you here, at *the Abdus Salam International Centre for Theoretical Physics (ICTP)*, attending this **Advanced Conference on Seismic Risk Mitigation and Sustainable Development.**



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The Conference is organized under the auspices of the **Italian Ministry for Environment and Land and Sea**. This Conference, promoted by the **SAND Group (Structure and Non-linear Dynamics of the Earth)**, will contribute to the current **ICTP** research activities in Solid Earth, aimed at the development of innovative methods for seismic hazard assessment, that are supported by the **Civil Defence of the Friuli Venezia Giulia Region and by the Italian Space Agency (ASI-SISMA project)**.

The event is co-sponsored by **UNESCO-IPRED**, **GLIS** (Working Group on Seismic Isolation), **ASSISI** (Anti-Seismic Systems International Society), **ENEA** (Ente Nazionale per l'Energia Atomica) and **CEI** (Central European Initiative).



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The idea for this Conference came with the joint effort working on a **PAGEOPH Topical Volume on "ADVANCED SEISMIC HAZARD ASSESSMENT"**, edited by G. F. Panza, K. Irikura, M. Kouteva, A. Peresan, Z. Wang, and R. Saragoni.

Two volumes:

**PAGEOPH, vol. 168, N.1/2, 2011. "ADVANCED SEISMIC HAZARD ASSESSMENT. PART I: SEISMIC HAZARD ASSESSMENT"**, To be published in journal form January 1, 2011, in a book form. **February 1, 2011.**

**PAGEOPH, vol. 168, N. 3/4, 2011. "ADVANCED SEISMIC HAZARD ASSESSMENT. PART II: REGIONAL SEISMIC HAZARD AND SEISMIC MICROZONATION CASE STUDIES"**, To be published in journal form March 1, 2011, in book form **April 1, 2011.**

Accessible ONLINE FIRST earlier!



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**The Topical Issue** advocates the advanced methods that utilize up to date earthquake science and basic scientific principles to derive the seismic hazard.

The Volume is addressed to seismologists, engineers and stake-holders, and it contributes to **bridging modern interdisciplinary research and end-users** for an effective management of the **earthquake risk preparedness**.



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This Advanced Conference is organized as recognition of the urgent need for society to develop **effective strategies and policies to reduce seismic risk and to prevent earthquake disasters.**

The Conference provides also an international forum where observations and lessons from the recent **Haiti and Chile earthquakes** can be discussed, spanning from seismological, to engineering and decision-making issues.



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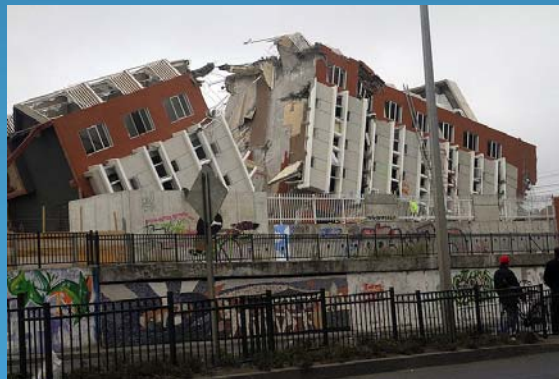
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## Haiti Earthquake, 12 January 2010



## Chile earthquake, 27 February 2010





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We do rely on the **multidisciplinary dialog**, hopefully promoted by the **Open Panel Discussion and by the Poster Sessions**. Panel discussions aim to debate the theoretical and practical limits of current methodologies in seismic hazard and risk assessment, as well as the available alternatives from earthquake science and modeling.



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## ***Panel Discussions:***

- 1. PSHA and DSHA:** limits and perspectives;
- 2. Toward validation of SHA:** lessons learnt from recent earthquakes;
- 3. Risk and hazard estimates:** what the engineers need for effective risk estimates? What the stakeholders need for effective planning and decision making?"  
Lessons from Haiti, Chile and other recent earthquakes.



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**Major expected outcome** of this Conference is that **all the participants will help disseminating ideas** discussed here, **to reach different end-users.**

**Aim:** help bridging seismology and engineering, modern interdisciplinary research and public administration, to cope with the problems of the earthquake risk management and sustainable development.



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## ABOUT ICTP...

**ICTP offers different possibilities for training and education and collaboration:**

- ICTP associate and federation schemes
- diploma and post-graduate programmes
- TRIL: training and research in Italian Labs
- TWAS: Third World Academy of Sciences
- ICTP-CEI Collaboration programmes

**[www.ictp.it](http://www.ictp.it)**



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## ADMINISTRATIVE ORGANIZATION ITEMS:

[www.ictp.it](http://www.ictp.it)

- MAIL BOXES;
- E-MAIL ACCOUNTS, COMPUTER LABS;
- Lectures and printed materials;
- Smr2142 Secretary :  
*Mrs. Gabriella De Meo*



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We strongly hope that all of you will take the opportunity, provided by this Conference, **to establish contacts and get hints for future implementation of the most advanced techniques in developing countries.**



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# WELCOME TO ICTP

## Successful work