Features of the Special Theme Session

- International collaboration for risk reduction
- Intrinsic characteristics and sociological composition
- Lack of prevention and preparedness and their possible consequences
- Social vulnerability, resilience of inhabitants
- Hybrid techniques for vulnerability assessment and their application to local predominant building types (Masonry and RC frame structures)

Invitation

As an organization committe of the Special Theme Session, We would like to invite you to submit an abstract of your research fit with the features of the special session and also to submit your abstract in one of the conference topics to scope with the logistics of the abstract organization. **In this session, the SERAMAR project will be a basis and presentations concerning similar projects or features are strongly requested.**

The Program of the Session

Date: 25th September 2012
Time: 17:15-19:15 (120 minutes)

Important Dates:

Deadline for abstract submission: 15 March 2012
Deadline for paper submission: 15 April 2012
Paper submission instructions:
http://www.15wcee.org/downloads/15WCEE_Guidelines_FullPapers.pdf

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Special Theme Session

Regional Programs for Earthquake Risk reduction: Global Overview

15 WCEE
LISBOA 2012

The SERAMAR Project

SERAMAR stands for **Se**ismic **R**isk **A**ssessment and **M**itigation in the **A**ntakya -Maras **R**egion on the Basis of Microzonation, Vulnerability and Preparedness Studies. The region straddles the area where the Dead Sea Fault Zone (DSFZ) blends into the East Anatolian Fault Zone (EAFZ), and is now an economically fast growing, increasingly more densely populated area that has been visited in its seismic past by many destructive earthquakes. The reduction of the risk in the urban centers is therefore of great importance for the cities that are exposed to the hazard.

The **main objective** of the SERAMAR project has been to utilize current tools for earthquake risk assessment in anticipation of the next damaging seismic event and to establish a unique partnership between universities, professional associations and local governments that might serve as a model for similar future activities in Turkey and other seismically susceptible areas of the world.

Tasks and Activities

… of the Engineering group:

- **Detailed inventory** of the current (undamaged building stock by on-site inspection)
- **Investigation of structural damage** being caused by future earth-quake events
- **Geotechnical measurements**
- **Instrumental vulnerability studies** on selected reinforced and masonry building structures

- **Seismic risk assessment studies** on the basis of different earthquake scenarios likely to occur in the respective region
- **Identification/tagging** of endangered settlement areas
- Elaboration of **recommendations** and strategies for institutions, building owners and local construction companies

… of the Sociological group:

- **Interviewing inhabitants** to gather insights into the social structure, vulnerability structure, educational situation and level of prepared-ness and risk awareness in different groups of population
- **Comparison of the vulnerability level** of the building structures with the social vulnerability of inhabitants in several aspects

- **Interviewing representatives and staff** at different governmental and organizational levels and enterprises concerning the state of vulnerability, preparedness, mitigation, resilience and early warning in order to identify a differentiated view on social vulnerability and societal vigorous nesses to earthquake disasters at different levels of society, the society's state of preparedness, risk awareness, and early warning system