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UNESCO-RELEMR

Workshop on Seismicity and Earthquake Engineering in the Extended Mediterranean

**Luso-American Foundation,
Lisbon, Portugal**

26 - 29 October 2009

Agenda



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Sunday, October 25th 2009

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| | 6:00-24:00 | Participants arrive in Lisbon |
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Monday, October 26th 2009

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| | 9:00-9:30 | Registration |
| SESSION I | 9:30-10:30 | <p>Opening Ceremony: <i>Chair: H.E Mr Fernando Andresen Guimarães</i></p> <ul style="list-style-type: none"> - Dr. Jorge Miguel Alberto de Miranda, <i>University of Lisbon</i> - Representatives of Portuguese Government's earthquake agencies - Dr. Michael Foose, <i>USGS</i> - Dr. Badaoui Rouhban, <i>UNESCO</i> - Ambassador Fernando Andresen Guimarães, <i>President of UNESCO's National Commission</i> - Dr. Rui Machete, <i>President of the Executive Council of the Luso-American Foundation</i> - Eng. Vitor Vieira, <i>Director of the City Hall Civil Protection Department</i> |
| | 10:30-11:00 | Coffee/tea break |
| | 11:00-11:15 | Logistical announcements |
| | 11:15-13:00 | <p>Keynote Addresses: <i>Chair: Dr. Jorge Miguel Alberto de Miranda</i></p> <ul style="list-style-type: none"> - Carlos Oliveira: <i>The new generation of seismic simulators and applications in Portugal</i> - M.J. Jimenez and M. Garcia-Fernandez: <i>Assessing seismic hazard in the Iberian Peninsula: Few issues and some risk</i> |
| | 13:00-14:30 | Lunch |



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| SESSION II | 14:30-14:45 | <p>Contributed Papers:</p> <ul style="list-style-type: none"> - Rui Pinho: <i>The Global Earthquake Model: Calculating and communicating earthquake risk</i> - Iman Amad: <i>Protection of Historic Buildings against Seismic Hazards: The Case of Palestine</i> - Kadder Abu-Daqqah, Samer Barakat and Abdallah Shanableh: <i>Seismic Fragility of Buildings in Sharjah, United Arab Emirates</i> - Nada Ahmed: <i>Seismic hazard mitigation in Sudan</i> - Jalal Al-Dabbeek and Hussein Ahmad: <i>The Extent of Awareness of Seismic Risk Among Palestinian Cities</i> - Mehdi Boukri: <i>Seismic risk assessment of current buildings of Algiers city</i> |
| | 14:45-15:00 | |
| | 15:00-15:15 | |
| 15:15-15:30 | | |
| 15:30-15:45 | | |
| 15:45-16:00 | | |
| 16:00-16:30 | Coffee/tea break | |
| 16:30-18:00 | <p>Douglas Bausch, FEMA: <i>Technical Methodology and Applications of the HAZUS-MH Earthquake Loss Estimation Model – Part I</i></p> <p>The technical methodology will be reviewed for each major component of the earthquake model including ground motion, ground deformation, development of the buildings and infrastructure inventory, engineering fragility functions, analysis parameters, economic and social loss approach, as well as results and uncertainties. Instruction on modifying this information with local data, and how engineering parameters can be adjusted to represent the building stock characteristic of the extended Mediterranean region will be provided. The presentation will focus on a broad variety of applications.</p> <p>The HAZUS software contains many databases that are focused on the USA (for example, the building types). Doug will also discuss how participants can remove the USA-focused databases and insert databases more appropriate to their country.</p> | |
| 18:00–18:15 | <p>Contributed Papers:</p> <ul style="list-style-type: none"> - Rita Nogueira Leite Pereira Bento: <i>Seismic Vulnerability Assessment of Old Buildings</i> - Hanan S. Al-Nimry: <i>Quasi-Static Testing of Stone-Concrete Bearing Walls and Infilled RC Frames</i> - Lassina Zerbo: <i>Civil and Scientific Applications of International Monitoring Data</i> - Eduardo Cansado Carvalho: <i>Seismic zonation and seismic action in the Portuguese National Annex to Eurocode 8</i> | |
| 18:15-18:30 | | |
| 18:30-18:45 | | |
| 18:45-19:00 | | |



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Tuesday, October 27th 2009

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| SESSION III | 9:00-10:30 | Douglas Bausch, FEMA: <i>Technical Methodology and Applications of the HAZUS-MH Earthquake Loss Estimation Model – Part II</i> |
| | 10:30-11:00 | Coffee/tea break |
| | 11:00-13:00 | Douglas Bausch, FEMA: <i>Technical Methodology and Applications of the HAZUS-MH Earthquake Loss Estimation Model – Part III</i> |
| | 13:00-14:30 | Lunch |
| SESSION IV | | Contributed papers |
| | 14:30-14:45 | - Tsafrir Levi, Barak Taveron, Oded. Kats, David Segal, Yakov Bar-Lavi, Shacham, Romach: <i>Earthquake loss estimates in Israel: Insight from a new implementation of HAZUS software</i> |
| | 14:45-15:00 | - Douglas Bausch: <i>Application of HAZUS-MH to Loss Estimation in the U.S.A.</i> |
| | 15:00-15:15 | - Mustafa Erdik, Karin Sesetyan, Mine Demircioglu, Ufuk Hancilar, Can Zulfikar, Eser Durukal, Yaver Kamer, Cem Yenidogan, Cuneyt Tuzun, Zehra Cagnan, Ebru Harmandar: <i>Rapid earthquake hazard and loss assessment for the Euro- Mediterranean region</i> |
| | 15:15-15:30 | - Alfredo Campos Costa: <i>Seismic loss estimation in Portugal; methods and results</i> |
| | 15:30-15:45 | - João F. Fonseca: <i>Onshore versus offshore: what controls the seismic hazard in Greater Lisbon?</i> |
| | 15:45-16:00 | - Djillali Benouar: <i>Reducing Earthquake Vulnerability in Built Cultural Heritage in the Maghreb Region by Re-Discovering and Re-Evaluating Local Seismic Cultures</i> |
| | 16:00-16:30 | Coffee/Tea break |



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| | | Contributed Papers |
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| 16:30-16:45 | - | Abdunnur Ben Suleman and Hadi Ghashut: <i>Establishment of the Libyan National Seismograph Network: An effort aimed at assessing and mitigating natural disaster risks on national and regional scales</i> |
| 16:45-17:00 | - | Dmitry A. Storchak: <i>Re-production of the Entire ISC Dataset (1960-2009)</i> |
| 17:00-17:15 | - | Niyazi Türkelli and Mehmet Yilmazer: <i>Data Processing and Archiving System at Kandilli Observatory and Earthquake Research Institute (KOERI)</i> |
| 17:15-17:30 | - | Kyriacos Solomi: <i>The Cyprus Seismic Network: The accelerometric network and strong ground motion</i> |
| 17:30-17:45 | - | Mourad Bezzeghoud: <i>Seismicity along the Western Eurasia-Africa plate boundary</i> |
| 17:45-18:00 | - | Abdullah M. Al-Amri and Mohammed S. Fnais: <i>Seismo-Volcanic Investigation of 2009 Swarms at Harrat Lunayyir (Ash Shaqah), Western Saudi Arabia</i> |
| 18:00-18:15 | - | Susana Custódio: <i>Parkfield Earthquakes: Characteristic or Complementary?</i> |
| 18:15-18:30 | - | Maria Ana Baptista: <i>On the implementation of the PtTWS (Portuguese tsunami warning system)</i> |
| 18:30-18:45 | - | Noorbakhsh Mirzaei: <i>Iranian Seismological Network, present status and future plan</i> |
| 18:45-19:00 | - | Mohsen Ashtiany: <i>Introducing a New Software for Seismic Hazard Analysis, and, Seismic Hazard Driven Seismological Research in Iran</i> |
| 20:00 | | Workshop Dinner hosted by Instituto Dom Luiz and the Luso-American Foundation |

Wednesday, October 28th 2009

Fieldtrip



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Thursday, October 29th 2009

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| SESSION V | 9:00-9:15 | <p>Contributed Papers</p> <ul style="list-style-type: none"> - R.Yassmineh, S. Bagh and M. Daoud: <i>Local and Duration Magnitude Scales for Syria</i> - Mehdi Zare: <i>Contribution to the Spectral Attenuation of Strong Motions in Iran</i> - Reilinger, R., And McClusky, S., Arrajehi, A., Mahmoud, S., Rayan, A., Ogubazghi, G. Sholan, J.: <i>Geodetic constraints on arabia plate motion and intra-plate deformation: Implications for regional geodynamics</i> - Hani Zahran and Salah El-Hadidy Yousef: <i>The 2009 volcanic and seismic activity in Harrat Al-Shaqah (Lunayyir), western Saudi Arabia</i> - Jabour Nacer and Menzhi Mohammed: <i>The seismicity in the region of Agadir, southwest Morocco</i> - Veronique Avirav: <i>Seismic Data Acquisition (SDA), the Israel Seismic Network: a tool for permanent and portable seismic measurements (software presentation)</i> - | |
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| | 10:30-11:00 | | Coffee/tea break |
| | 11:00-11:15 | | <p>Contributed Papers</p> <ul style="list-style-type: none"> - Ahmed Ksentini and Najla Bouden-Romdhane: <i>FEMA-HAZUS software exporting study for the seismic risk evaluation on the new and old cities of Tunis</i> - Talal A. Mokhtar: <i>Revised Seismic Microzonation of the City of Makkah, Saudi Arabia</i> - Abdullah Al-Enezi and Reda Abdul Fatah: <i>Oilfields in Kuwait: A Source of Seismic Hazard</i> - M. Hamdache, J.A. Peláez, A. Talbi, M.A. Ureña and M.T. García-Hernández: <i>A main earthquake catalog in Northern Algeria from 856 to 2008</i> - Zaslavsky, Y., Shapira, A., Hofstetter, A., Ataev, G., Gorstein, M., Aksinenko, T. Kalmanovich, M. and Perelman, N.: <i>Microtremor Measurement for Seismic Hazard Assessment in urban areas: Examples from Israel</i> - Mehdi Boukri: <i>Vulnerability index of Algiers masonry buildings</i> - J. Batlló, D. Stich, M. P. Teves Costa and R. Macià: <i>New earthquake parameters from old bulletins and seismograms</i> - A. Dhemaied, N. Bouden-Romdhane, F. Rejiba, C. Camerlynck, L. Bodet, and R. Guérin: <i>Wave propagation modeling in viscoelastic media:</i> |
| | 11:15-11:30 | | |
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| | | <i>Application to sedimentary basin of Tunis</i> |
| | 13:00-14:30 | Lunch |
| SESSION VI | 14:30-14:45 | - Hofstetter, R., Zaslavsky, Y., and Perelman, N.: <i>Investigation of topographic effects and seismic hazard assessment: Hadassa En Kerem hospital</i> |
| | 14:45-15:00 | - Tareq Al Hadeed: <i>Microzonation of Aqaba</i> |
| | 15:00-15:15 | - Naser, M. F. and Darweesh, J.: <i>Vibration Modes, Frequency and Damping of the Al-Mujib Bridge</i> |
| | 15:15-15:30 | - El-Sayed Mohamed Salem: <i>The relationship between recorded earthquakes and shear zone mineralization in central and south Eastern Desert of Egypt</i> |
| | 15:30-15:45 | - Keith K. Nakanishi, Arthur Rodgers, Jr., and Rengin Gok: <i>Open source software for seismic processing</i> |
| | 15:45-16:00 | - Keith K. Nakanishi: <i>Strategies for Data Sharing</i> |
| | 16:00-16:30 | Coffee/tea break |
| 16:30-18:00 | Closing session | |

Friday, October 30th 2009

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| | 6:00-24:00 | Participants depart Lisbon |
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