

Dr. BENOUAR Djillali, Eng., B.Sc., M.Sc., Ph.D., DIC

Professor

Director, Built Environment Res. Lab. (USTHB)

Consultant to UNESCO, ALECSO, UN/ISDR, IIEED and World Bank

Expert in EDUCATION AND TRAINING / CULTURE AND INFORMATION to the European Commission – EuropeAid.

Associate Member of the Third World Academy of Science (TWAS)

Senior Associate to the International Centre for Theoretical Physics

Born on July 24th, 1952 (Algeria)

Nationality: Algerian

Married + 4 children



Home Address:

17, Rue 6 Hai-Galloul

Bordj-El-Bahri 16111

Alger

Algeria

Office Address:

University of Bab Ezzouar (USTHB)

FGC/ Built Environment Res. Lab.

BP 32 El-Alia, Bab Ezzouar

Alger 16311, Algeria

Cellphone# : +213 71 842 428

Fax# : +213 21 247 992

E-mail : dbenouar@yahoo.com / dbenouar@usthb.dz

CURRICULUM VITAE

1. EDUCATION AND QUALIFICATIONS

07/98-08/98 -Disaster Management Course (Cranfield University, **UK**)

06/95-08/95 - **Postdoc studies**, Institute of Industrial Science (University of Tokyo) **Japan**.

10/90-09/93 - Imperial College (University of London, **UK**)

DIC: Diploma of Imperial College

Ph.D. degree in Engineering Seismology: **The Seismicity of Algeria and Adjacent Regions, during the Twentieth Century**

08/80-12/80 - Iowa State University (**USA**) Worked on a research project:

Lightening effects on different types of structures.

09/78-06/80 -Stanford University (**USA**) **Master of Science degree in Civil Engineering**

(Earthquake Engineering) and Post-Master courses.

09/77-06/78 - English language courses at the University of Texas at Austin and Stanford University (**USA**).

09/72-06/77 - National Polytechnic School (University of Algiers, **Algeria**), 5-year program with thesis, **Civil Engineer Diploma (Bachelor of Science)**.

2.TEACHING EXPERIENCE

10/02-Today - **Professor** at the Faculty of Civil Engineering (University of Bab Ezzouar, **USTHB**), lecturing Engineering Seismology, Dynamics of Structures, Earthquake Engineering and Disaster management courses.

01/90-10/02 - **Associate-Professor** at the Civil Engineering Institute (University of Algiers, **USTHB**), Polytechnic School of Architecture and Urban Planning (**EPAU**), lecturing Engineering Seismology, Dynamics of Structures and Earthquake Engineering courses.

01/83-06/90 - **Assistant-Professor** at the Civil Engineering Institute (University of Algiers, **USTHB**) lecturing courses on structural Dynamics and Earthquake Engineering.

01/81-12/82 -Army corps of Engineers (**Algeria**) Lecturing Civil Engineering courses.

3.INTERNATIONAL LECTURES

Invited as keynote lecturer by UNESCO at the "colloque international intitulé: Avancées et propositions en matière d'éducation pour le développement durable" held in Paris (UNESCO), **Paris (France)**, 14 - 16 June 2006

Invited **lecturer** at the 2003 South Africa training course for Africans on seismic hazard and risk management organised by GeoForschungsZentrum Potsdam (Germany), Council for Geological Sciences (South Africa) and UNESCO, **Pretoria (South Africa)**, September 7th - October 11th, 2003.

Invited as a **Resource Person and Moderator** for the Training Course on Seismic Risk Reduction: Learning to Design Seismic Codes, organized by UNESCO Cairo Office, **Cairo (Egypt)**, 10-13 August 2002

Invited **lecturer** at the International School of Geophysics - 21st Course Workshop "Investigating the records of past earthquakes" organized by the Istituto Nazionale di Geofisica e Vulcanologia (INGV), EMSCS, **Erice (Italy)** 1-7 July 2002.

Invited **lecturer** at the Euro-Med Project Training Course on Disaster Reduction, Emergency Services College, **Kuopio (Finland)**, 28 May - 03 June 2001.

Invited **lecturer** at the 1997 Kenya training course for Africa on seismic hazard and risk management organised by GeoForschungsZentrum Potsdam (Germany) and UNESCO, **Nairobi (Kenya)**, October 5th - November 8th, 1997.

Invited **lecturer** at the 5th and the 6th Intensive European Courses on Local Seismic Cultures, European University Centre for Cultural Heritage, **Ravello (Italy)**, October 1995 and 1996.

4.INDUSTRY EXPERIENCE

- 10/99-10/01 -Technical Director and Assistant to CEO, SOREPAL (National Construction company), 200 employees.
- 03/97-08/98 -Director of Research and Development, SCOAL (National Construction Company) with 800 employees.
- 04/96-02/97 -Technical Director, ECTA (National Construction Company, Algeria) with 4000 employees
- 02/83-10/88 -ECOBAL (National Construction Company, Algeria) with 1500 employees, Technical director, principal engineer and then Deputy General-Director.
- 01/81-12/82 - Responsible for all Civil Engineering projects (Design and Construction) in the zone (Algerian army corps of engineers).

5. RESEARCH EXPERIENCE

- 05/00-Today - Director of the Built Environment Research Laboratory "**LBE**" at the University of Bab Ezzouar (USTHB), Faculty of Civil Engineering.
- 07/83-10/99 - Research Fellow at the Research Centre in Astronomy, Astrophysics and Geophysics (CRAAG, **Algeria**)
- 05/89-09/89 - Visiting Scholar at Tohoku University (**Japan**) under the supervision of Professor Eiji Yanagisawa.
- 10/90-12/93 - Research at Imperial College (University of London, **UK**) under the supervision of Professor N.N. Ambraseys.
- 01/94-Today - Research work in the field of engineering seismology at the Faculty of Civil Engineering of the University of Bab Ezzouar (**USTHB**).
- 06/95-08/95 -Visiting Research Fellow (Post-Doc) at the Institute of Industrial Science (University of Tokyo; **Japan**) with the collaboration of Professors Fumio Yamazaki and Tsuneo Katayama.

- 09/96-10/97 -Grant from MAPFRE Foundation (**Spain**) and DHA (Geneva, **Switzerland**) in Natural Disasters Reduction: Seismic Hazard Mapping in the Maghreb Countries
- 06/95-08/95 -Visiting Research Fellow at Marmara Research Centre, **Turkey**, (TUBITAK) with the collaboration of Professor Yalçın
- 01/96-12/98 - Associate-Member of the Third World Academy of Science (TWAS), (Three years), International Center for Theoretical Physics (ICTP), Trieste (**Italy**)
- 06/97-11/99 - Member of the Task Group 2 (TG2) of the EAEE on Interpretation of strong ground motion on engineering applications under the supervision of Professor N.N. Ambraseys (Imperial College; **UK**).
- 09/2000 - Member of the Directorate of the 1st World Congress on Disaster Reduction, Washington, **USA**, 18-22 August, 2002.
- 01/01-12/06 - Leader of a **UNESCO-IUGS-IGCP Project 457** on Seismic Hazard Assessment in North African Countries (**Algeria, Egypt, Libya, Morocco, Tunisia**) with the participation of scientists of each concerned country.

6. AWARDS

2005 UNESCO-GADR-AWARD recognition for distinguished professional leadership and personal commitment to ongoing programs on disaster reduction, presented at **Charlotte, North Carolina, USA**, on July 27 2005.

7. FELLOWSHIPS

- 98 - Chevening Scholarship from the Foreign and Commonwealth Office (FCO) to attend the Disaster Management Course at Cranfield University (**UK**)
- 96-97 -Research Grant from MAPFRE Foundation (Natural Disaster Reduction) and Department of Humanitarian Affairs (DHA), Geneva (**Switzerland**).
- 95 - Foundation for the Promotion of Industrial Science (Institute of Industrial Science, University of Tokyo, **Japan**), (3 Months)
- 90-93 - Arab-British Chamber Scholarship (**England**) and Overseas Research Scheme, (**England**), Ph.D. degree.
- 89 - Research Fellowship Matsumae International Foundation (**Japan**), (5 months)
- 88 - Grant UNESCO-UNDRP-UNDP-USSR (**USSR**) Seminar (2 weeks)
- 87 - Grant UNESCO-IPG (**France**) Seminar (2 weeks)
- 86 - Grant UNESCO-ZIPE (**Germany**) Seminar (1 month)
- 77 – 80 - Algerian Government Scholarship in the **USA**

8. EDUCATION RELATED TO DISASTER MANAGEMENT

- 05/01 - Euro-Med Project Training Course on Disaster Management, Emergency Services College, **Kuopio (Finland)**, 28 May - 03 June 2001.
- 98 - Disaster Management Course (**Cranfield University, UK**)
- 88 - Federal Emergency Management Agency (**FEMA - USA**) (Home Study Program)
- 12/88: - Preparation Planning for a Nuclear Crisis, **USA** (Certificate)
- 08/88: - Emergency Management, **USA** (Certificate)
- 03/88: - Emergency Program Manager, **USA** (Certificate)
- 80-82: - Military courses and practical training on prevention and response to emergency situations.

9. MEETINGS RELATED TO SEISMIC HAZARD AND DISASTER RISK REDUCTION

2007: Euro-Mediterranean workshop “*Disaster Reduction at School - Building safer school communities*”, organized by the Council of Europe, **Paphos (Cyprus)**, 29 - 30 October 2007.

- 2007: Potential For Very Large Earthquake Disasters In The European-Mediterranean Region Workshop, organized by the Working Group 6, Sub-Commission-F of the European Seismological Commission (ESC), **Marrakech (Morocco)**, 22-23 October 2007.
- 2007: International Disaster Reduction Conference (IDRC), organized by China Association for Science & Technology CAST and others, **Harbin (China)**, 21-25 August 2007
- 2007: Expert Group Meeting on Environmental Ethics, organized by ALECSO, ISESCO and UNESCO, **Tripoli, (Libya)**, 19-21 June 2007
- 2007: Global Platform for Disaster Risk Reduction, First Session, organized by UN/ISDR, **Geneva (Switzerland)**, 5-7 June 2007
- 2007: Fifth International Conference on earthquake Engineering and Seismology (SEE5), organized by the IIEES, **Tehran (Iran)**, 14-16 May 2007
- 2007: First Africa Platform for Disaster Risk Reduction Consultative Meeting, organized by the UN/ISDR and the World Bank, **Nairobi (Kenya)**, 26-27 April 2007
- 2007: Middle East and North Africa Regional Workshop on: “Building Partnerships for Disaster Risk Reduction and Natural Hazard Risk Management” **Cairo (Egypt)**, 18-21 April 2007
- 2007: Fourth Gulf Seismic Forum, organized by the Kuwait Institute for Scientific Research (KISR), **Kuwait City (Kuwait)**, 24-27 March 2007
- 2007: International Disaster Risk Hyperbase (DRH) Contents Meeting, 12-13 March 2007, and the 1st Annual DRH Workshop, **Kobe (Japan)**, 14-15 March 2007.
- 2007: ProVention Consortium Forum, organized by ProVention and the World Bank, **Dar es Salaam (Tanzania)**, 13-15 February 2007
- 2007: International Conference on School Safety, organized by GSDMA and Seeds India, **Ahmedabad (India)**, 18-20 January, 2007
- 2006: Global Partnership with Universities, Academic Institutions, Research Organizations under GFDRR/ISDR, organized by the World Bank and ISDR, **Geneva (Switzerland)**, 13 December 2006
- 2006: Building the future in the euro-Mediterranean area workshop on the Use of the Eurocodes in the Mediterranean Countries, **Varese (Italy)**, 27 – 29 November 2006
- 2006: Réunion du comité des correspondants permanents et 11ème session ministérielle de l'accord européen et méditerranéen sur les risques majeurs (EUR-OPA), **Marrakech (Maroc)**, 30-31 Octobre 2006
- 2006: PHREE way (Partnership for Humanitarian and Risk Education Expansion) Consultative Meeting, **Cape Town (South Africa)**, 20 -21 September 2006.
- 2006: First European Conference on Earthquake Engineering and Seismology (ECEES), A joint event of the 13th European Association on Earthquake Engineering (EAEE) and the 30th General Assembly of the European Seismological Commission (ESC), **Geneva (Switzerland)**, 03 – 08 September 2006.

- 2006: International Disaster Reduction Conference (IDRC Davos 2006), A joint conference organized by GADR (Global Alliance for Disaster Reduction), GDIN (Global Disaster Information Network) and DRM World Institute for Disaster Risk Management, **Davos (Switzerland)**, 27 August – 1 September, 2006
- 2006: Sixth DPRI-IIASA Forum on Integrated Disaster Risk Management, co-organized by the Disaster Management Coordination Center (AKOM) of the Istanbul Metropolitan Municipality (**IBB**), the World Bank Institute (**WBI**), the Disaster Prevention Research Institute (**DPRI**) of the Kyoto University, and the International Institute for Applied Systems Analysis (**IIASA**), **Istanbul (Turkey)**, 13-17 August 2006
- 2006: XVI ISA World Congress of Sociology, Session Disaster Sociology, Organized by the International Sociological Association (ISA), **Durban (South Africa)**, 23-29 July 2006.
- 2006: ProVention Consortium Applied Grants Workshop: Africa Region, **Johannesburg (South Africa)**, 10 July, 2006
- 2006: Colloque international intitulé: « Avancées et propositions en matière d'éducation pour le développement durable » organized by the Comité français de la Décennie des Nations Unies de l'Education pour le Développement durable and UNESCO, Paris (UNESCO), **Paris (France)**, 14 - 16 June 2006
- 2006: Workshop on The Conduct of Seismic Hazard Analyses for Critical Facilities, organized by ICTP, UNESCO and IAEA, **Trieste (ICTP) Italy**, 15 May - 19 May 2006
- 2006: Workshop on Seismicity and Earthquake Engineering in the Extended Mediterranean Region, organized by UNESCO, USGS and U. Malta, **St. Julian's (Malta)**, 27-27 April 2006
- 2006: Séminaire sur la Prévention des Risques Majeurs pour les Ouvrages d'Art et Infrastructures, organisé par ICHU et U. Boumerdes pour M.T.P, **Boumerdes (Algeria)**, 5-6 Avril 2006
- 2006: Third Early Warning Conference (EWC III), organized by the UN, **Bonn (Germany)**, 27-29 March 2006
- 2006: Meeting on Earthquake Risk Assessment, organized by UN/ISDR Africa, **Nairobi (Kenya)**, 21 – 22 March 2006
- 2006: Second Africa Advisory Group Meeting (AAG) organized by UN/ISDR Africa, **Nairobi (Kenya)**, 18 – 19 March 2006.
- 2006: Second consultative meeting on National Platforms for Disaster Risk Reduction in Africa, co-organized by UN/ISDR Africa and IFRC (Nairobi Regional Delegation) "Mainstreaming Disaster Risk Reduction into School Curricula", **Nairobi (Kenya)**, 16-17 March, 2006
- 2006: Workshop on Mainstreaming Disaster Risk Reduction in the Management of Urban Planning and Governance in Africa, organized by UNDP and ProVention Consortium, **Cape Town (South Africa)**, March 7 – 9, 2006
- 2006: Workshop on International Framework for Development of Disaster Reduction Technology List on Implementation Strategy, organized by MEXT-NIED , **Tsukuba (Japan)**, 27-28 February 2006
- 2006: Conference on “Rethinking Capacity Development for Disaster Risk Reduction: Action 2005-2015” organized by UNDP/BCPR, **Geneva (Switzerland)**, 13-15 February 2006

- 2006: Second Public Symposium on Post Disaster Recovery- Lessons on recovery learned from recent major disasters -TeLL-Net Kick-Off Assembly, **Kobe (Japan)**, 19-20 January, 2006
- 2005: African Union Ministerial Conference on Disaster Risk Reduction (DRR) in Africa, organized by the AU and UN/ISDR, **Addis Ababa (Ethiopia)**, 5-7 December 2005
- 2005: International Workshop on Risk Assessment and Disaster management, organized by ENIT and British Gas Tunisia, **Tunis (Tunisia)**, 28-29 November 2005
- 2005: International Association of Seismology and the Physics of Earth's Interior -IASPEI GENERAL ASSEMBLY 2005- **Santiago, (Chile)**, 2-8 October 2005
- 2005: Fifth Annual IIASA-DPRI Forum on Integrated Disaster Risk Management “Innovations in Science and Policy”, Beijing Normal University, **Beijing, (China)**, 14-18 September 2005.
- 2005: Seismicity and Earthquake Engineering in the Extended Mediterranean Region organized by UNESCO, RELEMR and Laboratory of Geophysics & Seismology, Technological Educational Institute of Crete (GSL-TEIC) , **Chania, Crete (Greece)**, 11 – 17 September 2005
- 2005: International Framework for Development of Disaster Reduction Technology List on Implementation Strategies, following the UN World Conference on Disaster Reduction (Kobe, Japan, 2005), Core Member Meeting 1, Palais des Nations, **Geneva (Switzerland)**, 16-17 August 2005
- 2005: Expert meeting for the Development of the Strategy for Disaster Management in the Arab Countries, organized by ALECSO (Arab League of States), UNEP and UNESCO Cairo Office, **Tripoli (Libya)**, 5-6 June 2005.
- 2005: International Seminar on Recovery; In support to the development of the International Recovery Platform (IRP) organized by UNDP, UN/ISDR, UN/OCHA, World Bank, ILO, Cabinet Office of Japan, Hyogo Prefecture Government, JICA, ADRC. **Kobe (Japan)**, 11-13 May 2005
- 2005: 2nd Workshop on Earthquake Engineering for Nuclear Facilities, Uncertainties in Seismic Hazard Assessment, organized by IAEA, UNESCO and ICTP, **Trieste (Italy)**, 14-25 February 2005.
- 2005: Seismicity and Seismic Hazard Assessment in the Mediterranean Region, organized by UNESCO, RELEMR and University of Ankara (METU), **Ankara (Turkey)**, 26 – 29 January 2005
- 2005: World Conference on Disaster Reduction (WCDR), Organized by UN/ISDR, **Kobe (Japan)**, 18-22 January 2005
- 2004: Madrid Working-Meeting: Vulnerability Assessment / Reducing Urban Risk, organized by UN Habitat, UN/ISDR, **Madrid (Spain)**, 7-9 September 2004
- 2004: Earthquakes and Related Geohazards in Africa: Expert Workshop in preparation for the World Conference on Disaster Reduction, **Nairobi (Kenya)**, 18-19 June 2004.
- 2004: African Regional Consultation on Disaster Reduction (DR): A Preparation for the World Conference on Disaster Reduction (WCDR), **Johannesburg (South Africa)**, 2–3 June 2004,
- 2004: Experts’ Workshop to Review a Disaster Risk Reduction (DRR) Strategy for Africa **Johannesburg (South Africa)**, 31 May-1 June 2004

- 2004: Strategies for Disaster Avoidance in Urban Areas of Africa Workshop, **Lusaka (Zambia)**, 5 – 7 May 2004,
- 2004: UNESCO-RELEMR (Reducing Earthquake Losses in the Extended Mediterranean Region) Workshop on Site Effects and Building Response, **Aqaba (Jordan)**, 18-28 January 2004.
- 2004: Integrated disaster management of the Algiers 21 May 2003 earthquake, International Conference on Earthquake Hazard Preparedness, Rescue and Recovery, **Taipei (Taiwan)**, 5-9 January 2004
- 2003: EMI-MEDSAFE 03, Behavior of the population and Government during the 21st May Algiers Earthquake, International Workshop on Mediterranean Cities Exposed to Seismic Risk, **Naples (Italy)**, 19-20 December 2003
- 2003: **Algerian Recovery Experience from the 21st May 2003** Algiers Earthquake, Workshop on Earthquake Reconstruction Experience, **Gujarat (India)**, 28-30 September 2003.
- 2003: UNESCO-RELEMR workshop on Seismic Hazard Analysis and Data Exchange in the Mediterranean Region, **Nicosia (Cyprus)**, 10-13 September 2003.
- 2002 – A. Foufa – Abdessemed, D. Benouar, **Reducing the seismic risk to cultural heritage in the Maghreb countries**, Sustainable City Conference, **Segovia (Spain)**, 3 – 5 July 2002.
- D. Benouar, **Algiers (Algeria) Floods and Debris Flows of 10 November 2001**, 4^{ème} Symposium International de l'eau, Palais des Festivals de Cannes, **Nice (France)**, 3-7 Juin 2002.
- D. Benouar, **The need for an integrated disaster management strategy for cities of geo-techno-environmental risks in north Africa : A case study of Algiers (Algeria)**, the Integrated Disaster Risk Management 2002 : Megacity Vulnerability and Resilience, **Laxenburg (Austria)**, 29-31 Juillet 2002.
- 2002 -Seismic Analysis and Earthquake Hazard Assessment in the Mediterranean Region (**RELEMR**) organized by UNESCO and USGS, 11-14 December 2002, **Antakya (Turkey)**
- 2002 - International Workshop on Earthquakes and Megacities - 31 October, 1 – 2 November 2002, and EMI Cluster Cities Project Coordination Meeting – 3 Nov. 2002, **Shanghai, (China)**
- 2001-Pre-World Congress Workshop on Disaster Reduction, 18-22 August 2001, **Reston (USA)**,
- 2001-Workshop on Reduction of Earthquake Losses for Eastern Mediterranean Region (**RELEMR**) organised by UNESCO and USGS, **Barcelona (Spain)**, 11- 18 May 2001.
- 94-Workshop on the "**Evaluation of seismic risk of nuclear site facilities in the Mediterranean Sea**", **Tunis (Tunisia)**, 28-30 September 1994, Organized by the International Atomic Energy Agency (**IAEA**).
- 94 -European Research Conference on Earthquake Hazards, **Granada, Spain**, 14-19 May 1994. Poster: "**Seismic hazard evaluation in Algeria**"
- 89 - Japan national conference on earthquake engineering, **Tokyo (Japan)**
-International seminar on earthquake engineering and disaster management, **Tipaza (Algeria)**
- 88 -Training seminar on engineering aspects of earthquake risk mitigation, UNDRP-UNESCO-UNDP-USSR sponsored, **Dushanbe (Tadjikistan, USSR)**
- 88 -Training course on seismology, tectonics and seismic hazard assessment, UNESCO-ZIPE, **Potsdam (Germany)**
- International symposium on earthquake engineering, **Ech-Cheliff (Algeria)**
- 86 - Summer school on seismic hazard in Mediterranean region, UNESCO-IPG, Strasbourg (**France**)

- 85 - Seminar on earthquake engineering, Ech-Cheliff (**Algeria**)
- 83 - Seminars and workshops on microzonation of El-Asnam (**Algeria**)
- 79 - Second U.S. National conference on earthquake engineering, Stanford Univ. (**USA**)
- 78 - Workshop on earthquake prediction, Stanford University (**USA**)

10. PUBLICATIONS IN JOURNALS

1. **The Guelma (Algeria) earthquake of 10 February 1937**, European Earthquake Engineering Journal, Vol. VII, Number 3, pp; 24-32, 1993.
2. **Magnitude-Intensity and Intensity-Attenuation Relationships in the Atlas zone and Algerian Earthquakes**, Earthquake Engineering and Structural Dynamics Journal Volume 23, Number 7, pp. 717-727, 1994.
3. **The Bou Medfaa (Algeria) earthquake of 7 November 1959**, Soil Dynamics and Earthquake Engineering Journal, Volume 12, Number 8, pp 451-456, 1993.
4. **The Melouza (Algeria) earthquake of 21 February 1960**, Bollettino Di Geofisica Teorica Ed Applicata, Vol. XXXV, No. 140, 1993.
5. **The Mascara (Algeria) earthquake of 18 August 1994**, Terra Nova, Journal, Vol.6, pp.634-637, 1994.
6. **A reappraisal of the seismicity of the Maghreb region**, Natural Hazards Journal, Vol. 13, No.3, pp. 275-296, 1996.
7. **Seismic hazard evaluation at Alger using Benouar's Catalogue**, Natural Hazards Journal, Vol. 13, No.2, pp.119-131,1996.
8. **Earthquake hazard mapping in the Maghreb countries -Algeria, Morocco, Tunisia-** Earthquake Engineering & Structural Dynamics Journal, Vol. 25, Number 10, pp. 1151 - 1164, 1996.
9. **The Algiers (Algeria) earthquake of 4 September 1996**, European Earthquake Engineering Journal, Vol. XII, No.1, pp. 51-55, 1998
10. **A re-evaluation of the seismicity of Algeria and adjacent regions during the twentieth century: A methodology**, European Earthquake Engineering Journal, Vol.3, pp. 62- 74, 1999
11. **Influence of strong motion attenuation models on seismic hazard evaluation at the site of Algiers**, European Earthquake Engineering journal Vol. xiv, n.2, 2000
12. **Identification of the damping matrix coefficients of linear systems with proportional damping** European Earthquake Engineering journal, Vol.xiv, n°.3, pp.49-58, 2000
13. G. Panza et al., **Realistic modelling of seismic input for megacities and large urban areas**, the UNESCO-OUGS-IGCP project 414, Episodes, 2002
14. **Re-appraisal and seismotectonics in the north-eastern Algeria, Part I: Review of historical seismicity**, Journal of Seismology, 7, pp: 115-136, 2003
15. H. Harbi et al., **Seismicity and tectonic structures in the site of Algiers and its surroundings: A step towards macrozonation**. Pageoph (pure and applied geophysics), 161, pp. 949-967, 2004
16. Y. Ait Meziane et al., **Seismic vulnerability estimation of a representative building in Bab El Oued district (Algiers, Algeria)**, European Earthquake Engineering journal, Vol.xviii, n°.1, pp.27-36, 2004
17. **Materials for the investigation of historical seismicity in Algeria from the records of past earthquakes**, Annals of Geophysics (annali di geofisica), Vol. 47, No.2/3, 2004
18. A. Ayadi et al., **Strong Algerian Earthquake Strikes near Capital City**, EOS, pp. 561-568, 2004
19. M.N. Farsi , P.Y. Bard and D. Benouar, **Dynamic characteristics of common buildings under strong shaking: a statistical study through system identification from c.s.m.i.p. data**, European Journal of earthquake Engineering, Vol. 3, 2006
20. A. Harbi et al., **Seismicity, seismic input and site effects in the Sahel – Algiers region (North Algeria)**, Structural Dynamics and Earthquake Engineering journal (SDEE), Vol. 27, 427-447, 2007
21. A. Harbi et al., **Macroseismic Study of the Zemmouri Earthquake of 21 May 2003 (Mw 6.8, Algeria)**, Earthquake Spectra Journal, Volume 23, Issue 2, pp. 315-332, 2007

11. COMMUNICATIONS IN CONFERENCES

- D. Benouar, **Evaluation of Seismic Hazard in Algiers using different Attenuation Models**, Seminar, Living with risk: Seismic hazards, insurance and sustainability in the Mediterranean Region, Cairo (**Egypt**), 6-8 December 2003
- D. Benouar, **A methodology for the revision of the earthquake data in western Mediterranean countries**, 4th International Conference on Seismology and Earthquake Engineering, Tehran (**Iran**), May 12-14, 2003
- D. Benouar, **Invited Talk: UNESCO-IUGS-IGCP Project 457: Seismic Hazard Assessment in North African Countries**, 3rd International Workshop on Seismic Risk in North Africa, Mansoura (**Egypt**), May 20-22, 2003
- D. Benouar, **Algiers (Algeria) Floods and Debris Flows of 10 November 2001**, 4^{ème} Symposium International de l'eau, Palais des Festivals de Cannes (**France**), 3-7 Juin 2002.
- A. Foufa – Abdessemed, D. Benouar, **Reducing the seismic risk to cultural heritage in the Maghreb countries**, Sustainable City Conference, Segovia (**Spain**), 3 – 5 July 2002.
- D. Benouar, **The need for an integrated disaster management strategy for cities of geo-techno-environmental risks in north Africa : A case study of Algiers (Algeria)**, the Integrated Disaster Risk Management 2002 Conference : Megacity Vulnerability and Resilience, Laxenburg (**Austria**), 29-31 July 2002.
- D. Benouar, **The Need For An Integrated Disaster Management Strategy In North Africa Towards Poverty Reduction**, Urban Development for Poverty Reduction Symposium: Towards a Research Agenda, December 9-11, 2002, Washington, D.C., (**USA**)
- D. Benouar, **A Methodology for a revision of the Earthquake Catalogue In The Maghreb Countries: Towards A Unified Catalogue In The Mediterranean Basin**, Seismic Analysis and Earthquake Hazard Assessment in the Mediterranean Region (**RELEMR**), 11-14 December 2002, Antakya (**Turkey**)
- D. Benouar, **Architects and the earthquake risk reduction philosophy for sustainable architecture in the third millennium**, Séminaire International “ Enseignement et Pratique de l'Architecture, Quelles Perspectives?”, EPAU, **Alger**, 23 – 26 April 2001
- D. Benouar, **Mapping Seismic Hazard in the Maghreb Countries**, The Second Workshop on Seismic Risk in North Africa , Tetouan (**Morocco**), 14-15 Mai, 2001
- D. Benouar, **L'Architecture et la Philosophie du Génie Parasismique**, 2^{ème} Congrès National du Conseil National des Experts Architectes Algériens (CNEA), **Alger**, 29-30 Juin 2000.
- A. Ikhlef, D. Benouar, M. Chemrouk, et al., **Résistance aux séismes des constructions traditionnelles en Algérie**, 2^{ème} Colloque National de Génie Parasismique, **Alger**, 08-10 Octobre 2000.
- D. Benouar, **Earthquake Hazard Mapping in Algeria**, Third Cairo Earthquake Engineering Symposium on Earthquake Preparedness and Response, Cairo (**Egypt**), 18-20 November 2000.
- D. Benouar, M. Chabaat, **Proposition de création d'une agence nationale de recherche et de gestion des catastrophes naturelles en Algérie**, 2^o Rencontre en Génie Parasismique des Pays Méditerranéens (SISMICA 99), Faro (**Portugal**), 28-30 Octobre 1999.

- D. Benouar, **Governmental measures to mitigate earthquake impacts in Algeria**, 2nd International Disaster and Emergency Readiness and 5th International Emergency Planning Conference, The Hague (Netherlands), 12-14 October 1999.
- D. Benouar, **A re-evaluation of the seismicity of Algeria and adjacent regions during the twentieth century: A methodology**. Accepted at the 11th World Conference on Earthquake Engineering, Acapulco (Mexico), June 23-28, 1996.
- D. Benouar and Eiji Yanagisawa, **Soil Liquefaction Potential Evaluation with use of the Spectrum at Depth**, Proceedings of the 10th World Conference on Earthquake Engineering, 19-24 July 1992, Madrid, (Spain).

Abstracts

- D. Benouar, **How GDIN can help in the southern Mediterranean**, GDIN 2002 Conference Global Disaster Information Network, Rome (Italy), 17-21 June 2002.
- D. Benouar, **Algiers, the city of all risks**, Urban safety and sustainable development in the Mediterranean, Naples (Italy), 18-20 December 2001.
- D. Benouar, **Influence of attenuation models on seismic hazard mapping in north Africa region (Algeria, Morocco, Tunisia)**, 12th World Conference on Earthquake Engineering, Auckland (New Zealand), 30 January -4 February 2000.
- D. Benouar, **Application du SIG dans la gestion des catastrophes naturelles : Développement d'une banque de données sismiques en Algérie**, Séminaire International sur les Systèmes d'Informations Géographiques « AL-SIG'99 », Alger, 15-18 Novembre 1999.
- D. Benouar, **Seismicity and Associated Strain in the Atlas Zone Between 1900 and 1990**, Accepted at the 5th U.S. National Conference on Earthquake Engineering, July 10-14, 1994, Chicago, Illinois (USA).
- D. Benouar, **An earthquake catalogue of the Maghreb region [20°-38°N, 10°W-12°E] for the period 1900-1990**, XXIVth General Assembly of the European Seismological Society, Athens (Greece), 19-24 September 1994.

12. BOOKS

A book on: "Materials for the investigation of the seismicity of Algeria and adjacent regions during the twentieth century", Special Issue of the Annali Di Geofisica (Istituto Nazionale di Geofisica, Italy), Vol. XXXVII, No. 4, July 1994.

Booklet on: "Earthquake Risk in Africa: A school's guide" (UN/ISDR Publication) 2005

Booklet on: "Earthquake Risk in Africa: A community leader's guide" (UN/ISDR Publication) 2005

13. ORGANIZATION OF MEETINGS

2005: Member of the Scientific and local organizing committees of the "2nd Mediterranean Seminar on Engineering Education", Algiers (Algeria), 28-30 May 2005

2005: Member of the International Scientific Committee of the "International Conference on earthquake Engineering to mark the 40 (1965-2005) years of IZIIS-Skopje", Skopje-Ohrid (Macedonia), 27 August-1 September 2005.

2005: Member of the Scientific Committee of the “**4ème Symposium International sur la Construction**”, Chlef (Algeria), 23-25 November 2005

2004: President of the Scientific Committee of the “**1er Congrès International sur la Technologie et la Durabilité du Béton**”, USTHB-Alger (Algeria), 24-26 May 2004

2003: Member of the scientific and organizing committees of the “**3rd North African Seminar on Seismic Risk**”, Mansoura (Egypt), 20-22 May 2003

2003: Member of the scientific and organizing committees of the **1st North African Region Seminar on Engineering and Technology Education (NARSETE)**, Algiers (Algeria), 23-25 September 2003

2002: President of the scientific committee of the «**Conférence Internationale sur la Gestion des Milieux Urbains**», USTHB-Alger (Algeria), 16-18 June 2002.

2001: President of the Organizing Committee of the “**Séminaire Euro-Méditerranéen sur les Catastrophes Naturelles, Environnementales et Technologiques**” USTHB-Alger (Algeria), 8-10 October 2001

2000 : President of the Scientific Committee of the “**Conférence Internationale de Géotechnique**”, USTHB-Alger (Algeria), 11-13 June 2000

1999 : Member of the scientific committee of the «**1er Séminaire National sur la Géotechnique et le Génie Civil** » USTHB-Alger (Algeria), 8-9 February 1999.

14. CONSULTING

2006-2007: ALECSO (Arab League) Writing of the Arab Strategy for Disaster Risk Reduction Management.

2003-2006: Algerian Ministry of Environment and Land Use Management (**MATE**)

2005: World Bank (Physical Cultural Resources)

2005 – IIED (International Institute for Economic Development), London, **UK**

2004 – 2005: UN/ISDR (Booklets on earthquake Risk in Africa: Guides for Schools and Communities)

2002 : UNESCO (Design and Moderator of a UNESCO Course on Seismic design Codes (UNESCO Cairo Office)

94 - Expert at the International Atomic Energy Agency (IAEA).

94 - Consultant to the Afkir-Infrastructures (Algeria).

90 - Algeria National Institute for Global and Strategic studies (INESG, Algeria)

* A paper on “An introduction to emergency management strategy”.

89 - Algeria National Centre for applied earthquake engineering (CGS, Algeria)

* Participated in the examination and enrichment of the:

+ Repair and strengthening code for constructions in seismic regions.

+ Catalogue of repairing and strengthening methods in seismic regions

15. MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Member of the Permanent Sectoral Committee (CSP), Algerian Ministry of Higher Education and Scientific Research (MESRS).

- President of the North African Seismological Group (**NASG**) based at ICTP (**Italy**)

- President of the Algerian Association for the Prevention of Natural Disasters (**AAPNT**), an NGO association (Algeria), (in preparation)

- President of the Scientific Council of the North African Center for Engineering and Technology Education (**NACETE**)

- Secretary General of the Algerian Association for the Promotion of Sciences (**Tahendous**)
- Algerian national society for earthquake engineering (Member)
- Committee 21 Algeria (Member of the executive board, Vice-President), Agenda 21
- Associate Member of the Third World Academy of Science (TWAS)
- Senior Associate to the International Centre for Theoretical Physics (ICTP), Trieste (Italy).
- Member of the Global Alliance for Disaster Reduction (GADR), US NGO in North Carolina University (USA)
- Member of the Global Disaster Information Network (GDIN), USA based.

16. LANGUAGES

- **Arabic:** mother tongue/ working language
- **English:** Fluent/ working language
- **French:** Fluent/working language

17. OTHERS

- Member of the Permanent Sectoral Commission at the Algerian Ministry of Higher Education and Scientific Research (MESRS)
- Member of the scientific Council (Land Planning and Major Risks Commission) at the Algerian Ministry of Land Planning and Environment (MATE).
- Vice-President of the scientific Council of the North African Centre for Engineering and Technology Education (NACETE), UICEEE affiliated to UNESCO.
- President of the scientific committee of the structures Department at the Faculty of Civil Engineering (USTHB).
- Member of the scientific Council of the Faculty of Civil Engineering.
- Supervisor for twenty (20) civil engineering theses (Bachelor of Science degree) related to aseismic design of buildings and reservoirs at the faculty of civil engineering of the University of Bab Ezzouar (USTHB, Algeria).
- Supervisor of three (08) civil engineering theses (Magistère) related to seismic risk reduction.
- Supervisor of six Doctorate theses related to natural and environmental risks reduction.