

INTERNATIONAL EARTHQUAKE SYMPOSIUM KOCAELI
2009

17-19 AUGUST 2009

PROF. DR. BAKI KOMSUOĞLU CONGRESS CENTER, UMUTTEPE
KOCAELI-TURKEY

<http://kocaeli2009.kocaeli.edu.tr>

<http://www.anmaetkinlikleri.org>



COMMEMORATION DAY

Sunday, August 16-17, 2009

10:00 am Prof. Dr. Baki Komsuoglu Congress Center, Foyer	Registration
06:00 pm	Transportation to Gölcük Town
07:30 pm	Commemorative Ceremony to be held in Gölcük Town
03:02 am	Commemoration Ceremony
04:00 am	Transportation to the hotels

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OPENING DAY

Monday, August 17, 2009

01:00 pm
Main Hall

Opening Speeches

Formal welcome and opening speeches by Government, City Officials and Leaders of Organizing Committee

- **Prof. Dr. Mithat Fırat ÖZER**, Symposium Chairman
- **Kenji HIRAI**, General Director of Crisis Management Officer, City of Kobe
- **Tekin KÜÇÜKALİ**, Chairman of Turkish Red Crescent
- **Prof. Dr. Sezer ŞENER KOMSUOĞLU**, Rector of Kocaeli University
- **İbrahim KARAOSMANOĞLU**, Mayor of Kocaeli Metropolitan Municipality
- **Hasan İPEK**, Director of Disaster and Emergency Management Directorate of Turkey
- **Rıfat HİSARCIKLIOĞLU**, Chairman of The Union of Chambers and Commodity Exchanges of Turkey
- **Gökhan SÖZER**, Governor of Kocaeli
- **Mustafa DEMİR**, Minister of Public Works and Settlements

02:15 pm

Keynote Speaker: Prof. Dr. Jochen ZSCHAU, GFZ German Research Centre for Geosciences, Potsdam, Germany

"Turkish-German Project on Earthquake Research: Lessons Learned"

03:00 pm

Coffee Break

03:30 pm

Panel Discussion : "IS TURKEY READY TO A FORTHCOMING DISASTER?"

Undoubtedly the 1999 Marmara earthquakes creating a wave of changes in policies, planning, and actions and have transformed the perception and attitude of both institutions and the general population about the earthquake risk that they face. But, how far has the journey progressed in preparedness and mitigation? Is Turkey ready to face the "Big One" that is predicted to hit Istanbul? This high level panel, representing a wide range of stakeholders will provide an account of where things stand 10 years after the earthquakes. What has been achieved and what remains to be done? What are the short term priorities? Where are the bottlenecks? How can a common agenda be developed in view of the complexity of the issues and the conflicting interests? How can the common good be best served? How can the "tough" issues be resolved? Participants will be invited into the discussion.

Chairperson: Prof. Dr. Sezer ŞENER KOMSUOĞLU, Rector of Kocaeli University

Panelists:

- **Hasan İPEK**, Director of Disaster and Emergency Management

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Directorate of Turkey

- **Mustafa TAYMAZ**, Director of General Directorate of Disaster Affairs
- **Ömer TAŞLI**, General Director of Turkish Red Crescent
- **Mustafa KUMLU**, Chairman of Confederation of Turkish Trade Unions
- **Oğuz GÜNDOĞDU**, Chairman of Union of Chambers of Turkish Engineers and Architects
- **Dr. Feride Bilgehan AKSU**, Vice Chairman of Turkish Medical Association

08:00 pm **Welcome Reception**

09:00 pm **Transportation to the hotels**

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DAY ONE Tuesday, August 18, 2009

- Main Hall **Topical Sessions**
Invited Speakers: A view from abroad
A reflection on the previous day panel discussion by experts and personalities from abroad. How is international experience relevant to Turkey? What are the words of wisdom that can help build the national agenda?
- 09:00 am **Semih TEZCAN, Professor of Civil Engineering, Boğaziçi University**
"Risk Management and P25 – Rapid Scoring Technique"
- 09:45 am **Nobuo HURUKAWA, Ph. D., Director of International Institute of Seismology and Earthquake Engineering (IISEE), Japan**
"Joint Hypocenter Determination for Better Understanding of Earthquakes"
- 09:00 am **Topical Parallel Sessions**
In these sessions scientists will reflect on the impacts of the earthquake on their own field of research and provide their assessment and opinions on the progress and challenges ahead? Can science and technology provide the answers? How research should be directed to help protect the public and push forward the appropriate policies?
- Hall 1 **Session 1A: Disaster-Risk Management**
- Hall 2 **Session 1B: Social Sciences**
- 10:30 am **COFFEE BREAK**
- 11:00 am **Presentation of Workshop: "DESIGN FOR EARTHQUAKE IN EXISTING CONSTRUCTION STORAGE"**
Main Hall
Murat ULUĞ, Tevfik İLTER, Didem ERTEN BİLGİÇ, Rüveyda KÖMÜRLÜ, Ahmet Kivanç KUTLUCA, Ergin ÖZTEKİN
- 11:15 am **PANEL DISCUSSION 1 : "DESIGN FOR EARTHQUAKE IN EXISTING CONSTRUCTION STORAGE"**
The "International Earthquake Symposium Kocaeli 2009" will cover the "Design for Current Stock Structure (in pre) - Earthquake" summer workshop under the coordination of "Kocaeli University Faculty of Architecture and Design" and assistance of "NURUS Office Furniture Inc." and "The Chamber of Architects of Kocaeli" (UCTEA-Union of Chambers of Turkish Engineers and Architects) between the dates of August 7 and 16. The data gathered at the workshop will

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be presented to the participants at the symposium at their disposal. The data and results of the workshops will be submitted in a panel after the presentations to be discussed and commented within their own perspectives by different disciplines.

Moderator: Tevfik İLTER, The Chamber of Architects of Kocaeli, Vice Chairman of Administrative Committee

Panelists:

- **Murat ULUĞ**, Kocaeli University, Fac. of Arch. and Design, Dep. of Arch.
- **Erbil ÖZTEKİN**, Civil Engineer/Technical Advisor
- **Günkuş BARKA**, Civil Engineer/Turkish Precast Concrete Association, Chairman of Technical Committee
- **Şevket ÖZDEN**, Kocaeli University, Fac. Of Eng., Dep. of Civil Eng.
- **Renan GÖKYAY**, NURUS Company, Vice Chairman of Administrative Committee

11:00 am **Topical Parallel Sessions**

Hall 1 **Session 2A: Earth Sciences**

Hall 2 **Session 2B: Engineering**

Hall 3 **Session 2C: Disaster-Risk Management**

Hall 4 **Session 2D: Social Sciences**

12:30 am **LUNCH**

Main Hall **Invited Speakers:** A view from abroad

02:00 pm **Russ EVANS, British Geological Survey, UK**
"A Review of the Kocaeli Earthquake of 1999, Comparison with the l'Aquila Earthquake of 2009, and an Exciting Opportunity to Integrate and Disseminate the Lessons We Have Learned So Far"

02:45 pm **Nicole DURAN, Ph.D. Villanova University, Core Humanities Program, USA**
"Culture and Disaster: A Personal Experience from 1999 East-Marmara Earthquake"

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02:00 pm **Topical Parallel Sessions**

Hall 1 **Session 3A: Earth Sciences**

Hall 2 **Session 3B: Engineering**

Hall 3 **Session 3C: Architecture and Land Use Planning**

Hall 4 **Session 3D: Social Sciences**

03:30 pm **COFFEE BREAK**

04:00 pm **PANEL DISCUSSION 2 : SOCIO-POLITICAL, ECONOMIC AND
Main Hall PSYCHOLOGICAL ASPECTS OF NATURAL DISASTERS
Perspective of Academics**

While natural and man-made disasters affect many countries in the world their impacts are not identical because countries have varying degrees of resiliencies and coping mechanisms that are embedded in their institutions and communities. In general, developed countries have been able to reduce loss of life through policies that have enable mainstreaming of disaster risk reduction within their governance and development processes, as well as participatory processes that enable social mobilization. On the other hand, human and economic vulnerability of developing countries is still very high. In the panel, socio-political, economic and psychological aspects of disaster risk in Turkey will be discussed in retrospect of the lessons learned from the "Marmara Earthquake. Topics that will be covered include; political economy of the "Marmara Earthquake"; implementations of social state; annuity/rent mechanisms after the disaster; experiences of disaster-affected countries throughout the world; role of universities (especially the social science departments) as well as local and international NGOs in the process.

Chairperson: Z. Gönül BALKIR, Dean of Faculty of Law, Kocaeli University

Panelists:

- **İnci USER**, Marmara University
- **Melek GÜNDOĞAN**, Değirmendere Support Center for Women
- **Gürhan ERTÜR**, Açık Radio
- **Veli DUYAN**, Ankara University
- **Beril TUFAN**, Hacettepe University

04:00 pm **Topical Parallel Sessions**

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- Hall 1 **Plenary Session 4A: Earth Sciences
Early Warning Systems**
- Friedemann WENZEL, CEDIM, Germany
 - **Mustafa ERDIK**, Boğaziçi University, Turkey
 - **Constantin IONESCU**, Romania
 - **Matteo PICOZZI**, GFZ Potsdam, Germany
- Hall 2 **Session 4B: Engineering**
- Hall 3 **Session 4C: Architecture and Land Use Planning**
- Hall 4 **Session 4D: Earth Sciences**
- 06:00 pm **Transportation to the hotels**
- 07:30 pm **Transportation from the hotels to Gala Dinner**
- 08:00 pm **GALA DINNER**
- 11:30 pm **Transportation to the hotels**

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DAY TWO

Wednesday, August 19, 2009

Main Hall

Topical Sessions

Invited Speakers: A view from abroad

A reflection on the previous day panel discussion by experts and personalities from abroad. How is international experience relevant to Turkey? What are the words of wisdom that can help build the national agenda?

09:00 am

Thanasis C. TRIANTAFILLOU, Professor, Director of Structural Materials Laboratory, University of Patras, Greece

"Repair and Strengthening Through Carbon Fiber Overlays "

09:45 am

Spyros PAVLIDES, Professor of Geology, Chairman of the School of Geology, Aristotle University of Thessaloniki, Aristotle University of Thessaloniki, Greece

"Hidden earthquakes in the Gölcük - Kavaklı, Yenice-Gönen and Troy faults, Palaeoseismological and Archaeoseismological approach"

09:00

Morfoloji
Building-
Anadolu
Hall

PANEL DISCUSSION 3: 10 YEARS OF DISASTER MENTAL HEALTH RESEARCH IN TURKEY

This panel session focuses on the overview of the last decade in terms of disaster mental health research in Turkey which was triggered mainly by the 1999 Marmara Earthquake. The scientific studies both with adults and children or adolescent samples are reviewed with regard to their subject of interest, contributions to the field, limitations and implications for the disaster psychosocial planning. The outcomes of this comprehensive review are used to provide suggestions for the forthcoming research.

Chairperson: Tamer AKER, Kocaeli University, Centre for Psychological Trauma and Disaster Studies

Panelists:

- **Banu YILMAZ**, Ankara University, Department of Psychology
- **İlgin GÖKLER-DANIŞMAN**, Maltepe University, Department of Psychology

09:00 am

Topical Parallel Sessions

Hall 1

Session 5A: Earth Sciences

Hall 2

Session 5B: Engineering

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Hall 3 **Session 5C: Disaster-Risk Management**

Hall 4 **Session 5D: Law**

10:30 am **COFFEE BREAK**

11:00 am **PANEL DISCUSSION 4: DISASTER PREPAREDNESS PROGRAM OF HEALTHCARE SERVICES OF İZMİR CITY**

Main Hall

Disaster Preparedness Program of Healthcare Services of İzmir has been implemented by Provincial Health Directorate of İzmir and Emergency Medical Association of Turkey in July 2007 as a joint project . The program supported by the Provincial Governor of İzmir will be shared with the participants with respect to its result and the stage at that point.

Chairperson: Hasan ODABAŞIOĞLU, Chairman of Disaster Committee,
Emergency Medicine Association of Turkey

Panelists:

- **Aslıhan YÜRÜKTÜMEN**, Emergency Medicine Association of Turkey
- **Özge DUMAN ATILLA**,
- **Emine BARIŞ**, Disaster Medicine

11:00 am **Topical Parallel Sessions**

Hall 1 **Session 6A: Earth Sciences**

Hall 2 **Session 6B: Engineering**

Hall 3 **Session 6C: Earth Sciences**

Hall 4 **Session 6D: Law**

12:30 am **LUNCH**

Main Hall **Invited Speakers:** A view from abroad

02:00 pm **İbrahim ÇEMEN, Professor, Department of Geological Sciences, The University of Alabama, USA**

"Earthquake Prediction: Lessons from the August 17, 1999 Izmit Earthquake."

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02:45 pm

02:00 pm **Topical Parallel Sessions**

Hall 1 **Session 7A: Earth Sciences**

Hall 2 **Session 7B: Engineering**

Hall 3 **Session 7C: Disaster-Risk Management**

Hall 4 **Session 7D: Earth Sciences**

03:30 pm **COFFEE BREAK**

04:00 pm **PANEL DISCUSSION 5: WHAT DO WE EXPECT FROM HOSPITALS AFTER AN
Main Hall EARTHQUAKE?**

Earthquakes delay health care services because of their sudden and destructive characteristics. After an earthquake, hospitals of patient loads increases dramatically, and bearing in mind the routine operation of rotation difficulty, this panel will asses and discuss with respect to their own perspective of different disciplines, highlight the problems and propose possible solutions for them with considering participants suggestions. The purpose of the panel is that what we should expect from hospitals after an earthquake.

Chairperson: Ridvan ATILLA, Chairman, Emergency Medicine Association of Turkey

Panelists:

- **Murat ERSEL**, Ege University, Faculty of Medicine
- **Turhan SOFUOĞLU**, Chairman, Association of Emergency Ambulance Physicians
- **Süheyla SEZAN**, Kandilli Observatory and Earthquake Research Institute
- **Dr. Özlem SARIKAYA**, Marmara University, Faculty of Medicine

04:00 pm **Topical Parallel Sessions**

Hall 1 **Session 8A: Earth Sciences**

Hall 2 **Session 8B: Engineering**

Hall 3 **Session 8C:**

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Hall 4 **Session 8D: Engineering**

06:00 pm **Closing Session**

07:30 pm **Transportation to the hotels and airport**

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