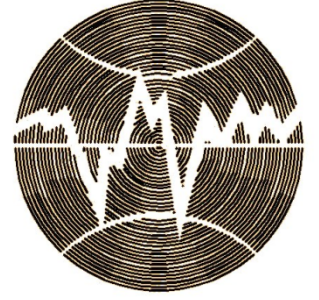




European Association for
Earthquake Engineering



Turkish Earthquake Foundation
Earthquake Engineering Committee

21st EUROPEAN REGIONAL EARTHQUAKE ENGINEERING SEMINAR

Seismic Assessment and Retrofit of Bridges

June 16-18, 2010

Işık University, Şile Campus
Istanbul, Turkey



Seminar Program

Wednesday 16 June 2010

The Opening Session 10:00-11:00

Prof. Dr. Ekrem Ekinçi Rector of Işık University
Prof. Dr. Atilla Ansal.....Secretary General of EAEE
Prof. Dr. Mustafa Erdik Chairman and Director of KOERI
Prof. Dr. M. Nuray Aydınöđlu.....Vice Chairman

Technical Session 1 Chairman: Prof. Dr. Mustafa Erdik

11:00-12:00 Prof. Dr. M. Nuray Aydınöđlu “*Nonlinear Analysis Procedures for Seismic Assessment and Design of Bridges*”

Lunch Break 12:00-13:30

Technical Session 2: Chairman: Prof. Dr. M. Nuray Aydınöđlu

13:30- 14:30 Prof. Dr. Paolo E. Pinto “*Assessment and Retrofit of Bridges: Case Studies*”
14:30-15:30 Prof. Dr. Andreas Kappos “*Seismic Vulnerability Assessment of Bridges: Analytical and Empirical Methods*”
15:30-16:30 Prof. Dr. Murat Dicleli “*Seismic Design and Retrofitting of Highway Bridges using Response Modification Techniques*”
16:30-17:30 Prof. Dr. Mustafa Erdik “*Seismic Isolation of Bridges and Retrofit of Bolu and Mecidiyekoy Viaducts*”

Seminar Banquet 19:00-22:00

Thursday 17 June 2010

Technical Session 3: Chairman: Prof. Dr. Andreas Kappos

9:30-10:30 Asst. Prof. Dr. Anastasios Sextos “*Impact of Asynchronous Seismic Excitation on the Vulnerability of R/C Bridges*”
10:30-11:30 Prof. Dr. Matej Fischinger “*Seismic Analysis of RC Bridges Using the N2 Method*”
11:30-12:30 Prof. Dr. Tatjana Isakovic “*Seismic Analysis of Experimentally Tested RC Bridge*”

Lunch Break 12:30-14:00

Technical Session 4: Chairman: Prof. Dr. Paolo Emilio Pinto

14:00-15:00 Prof. Dr. George Mylonakis “*The Great M8.8 Chile Earthquake of February 27, 2010: Overview & Performance of Bridge Structures*”
15:00-16:00 Prof. Dr. Stavroula Pantazopoulou “*Soil-Structure Interaction in Integral bridges - the Usefulness of a Target Response Shape in Bridge Assessment and Retrofit*”

Coffee Break 16:00-16:15

16:15-17:15 Dr. Göktürk Önem “*Seismic Assessment of Bridges by Practice-Oriented Nonlinear Analysis Procedures*”

Friday 18 June 2010

Technical Session 5:Chairman: Prof. Dr. George Mylonakis

- 9:30-10:30 Junichi Shaura, P.E., M.Sc. "*Seismic Reinforcement Project for Large Scale Bridges in Istanbul*"
- 10:30-11:30 Prof. Dr. Rainer Flesch "*In Situ-Testing of Austrian Bridges for Seismic Assessment*"

Coffee Break 11:30-11:45

Technical Session 6:Chairman: Prof. Dr. Murat Dicleli

- 11:45 – 12:05 Herbert.Friedl "*Structural Health Monitoring of UHPFRC constructions - possible application in post earthquake assessment of bridges*"
- 12:05 - 12:25 Tibor Lang "*Reduction of Seismic Effects on Bridges by Using Seismic Isolators*"
- 12:25 - 12:55 Lenka Konečná "*Reduction of Seismic Effects on Bridge by Changing of Structural System*"

Lunch Break 13:00-14:00

- 14:00 - 14:20 Cenar Özkaya "*Seismic Design of Sakarya-II Viaduct Located Within 300 Meters of the North Anatolian Fault*"
- 14:20 - 14:40 Ass. Prof. Dr. Musa Hakan Arslan "*An investigation on earthquake performance of existing R/C bridge columns in Turkey*"
- 14:40 - 15:00 Dr.Oğuz Bahadır Şadan "*Direct Displacement-Based Seismic Assessment Procedure for Multi-Span Reinforced Concrete Bridges*"
- 15:00 - 15:20 Olympia Taskari "*3D Finite Element Modelling of a Highway Bridge Considering the Effect of Soil and Foundation*"
- 15:20 - 15:40 Alper Kanyılmaz "*Seismic Retrofitting of Bridges by means of Seismic Isolation Methods*"
- 15:40 - 16:00 Sotiria Stefanidou "*Seismic Assessment of an Overpass Bridge with a Torsional Fundamental Mode Using Non-Linear Pushover and Time-History Analysis*"

Coffee Break 16:00-16:15

- 16:15 - 16:35 Goran Jekic "*Approach to Diagnosis of Bridge Structures and Analysis Methods Used by the Institute of Earthquake Engineering and Engineering Seismology – Skopje*"
- 16:35 - 16:55 Battol Moneer Wahba "*Bridges Seismic Screening and Rapid Assessment Methods*"

ORGANISING AND SCIENTIFIC COMMITTEES

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GENERAL INFORMATION:

Questions regarding registration, exhibits or other nontechnical aspects of the Regional Seminar should be addressed to:

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