

Specialist Course —



EARTHQUAKE ENGINEERING

Zagreb, April 15 – 16, 2024.

Prof. Amr Elnashai, FEng

Department of Civil and Environmental Engineering;
University of Illinois at Urbana-Champaign, USA



Day 01 — 15.04. Monday

- 08:00 - 08:30 Registration
- 08:30 - 10:00 Lecture Block 1: **Overview of Earthquake Structural Dynamics**
- 10:00 - 10:30 Tea/coffee break
- 10:30 - 12:00 Lecture Block 2: **Characteristics of Earthquakes 1 – Causes and Measurement**
- 12:00 - 13:00 Lunch
- 13:00 - 14:30 Lecture Block 3: **Characteristics of Earthquakes 2 – Effects on Infrastructure**
- 14:30 - 14:45 Pause
- 14:45 - 16:15 Lecture Block 4: **Response of Structures to Earthquakes 1 – Role of Stiffness and Distribution**

Day 02 — 16.04. Tuesday

- 08:00 - 10:00 Lecture Block 5: **Response of Structures to Earthquakes 2 – Role of Strength and Ductility**
- 10:00 - 10:30 Tea/coffee break
- 10:30 - 12:00 Lecture Block 6: **Input Motion Characteristics – Strong-motion, Earthquake Spectra, and Design Spectra**
- 12:00 - 13:00 Lunch
- 13:00 - 14:30 Lecture Block 7: **Evaluation of Actions and Deformations on Structures 1 – Structural Modelling and Analysis**
- 14:30 - 14:45 Pause
- 14:45 - 16:15 Lecture Block 8: **Evaluation of Actions and Deformations on Structures 2 – Output for Design, Case Studies**

Predavanja će se održati na engleskom jeziku. Predavanja se evidentiraju sa 16 akademskih sati (stručno područje) u smislu Pravilnika o stručnom usavršavanju osoba koje obavljaju poslove prostornog uređenja i gradnje.

Cijena kotizacije po polazniku je 120 € + PDV. Polaznici se prijavljuju putem registracijske stranice: www.hcpi.net.

Tečaj će se održati u zgradi Rektorata Sveučilištu u Zagrebu, Radoslava Cimermana 88 (zgrada SEECCEL, Kajzerica).

ORGANIZATORI



Hrvatska komora
inženjera građevinarstva

POKROVITELJI



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ARHITEKTURE I GEODEZIJE

SPONZORI



stabilnost

SPEGRA

kap⁴

TERM DINAMIKA



Sveučilište Josipa Jurja Strossmayera u Osijeku
GRAĐEVINSKI I ARHITEKTONSKI
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SVEUČILIŠTE U SPLITU,
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U.O.I.G.
Tarnik

Toding

Ui urbane
ideje