

**Program Međunarodnog znanstvenog
simpozija MODELIRANJE KONSTRUKCIJA
i otvaranja nove zgrade GRAĐEVINSKOG
FAKULTETA**

ČETVRTAK, 13. studeni 2008.

10:00 Registracija sudionika (na Građevinskom fakultetu ili u
Hotelu Ero)

**12:00 OTVARANJE NOVE ZGRADE I OTVARANJE
SIMPOZIJA**

Sveučilišni zbor – himne

POZDRAVNI GOVORI

rektor Sveučilišta u Mostaru prof. dr. sc. **Vlado Majstorović**
gradonačelnik Mostara **Ljubo Bešlić**

dekan Građevinskog fakulteta prof. dr. sc. **Ivo Čolak**

*Gudački kvintet Simfonijskog orkestra Mostar - glazbeni
broj*

Novu zgradu i simpozij otvara u ime pokrovitelja

Ministarstva znanosti, obrazovanja i športa Republike
Hrvatske ministar prof. dr. sc. **Dragan Primorac**

Sveučilišni zbor - Gaudeamus

Domjenak u novoj zgradi Građevinskog fakulteta

13:30 OTVARANJE IZLOŽBE KOMPJUTORSKIH GRAFIKA

AUTORICE **Roberte B. Barbarić:**

Građevine u plazmatičnom prostoru

Izložbu predstavlja prof. dr. sc. **Snježana Vasilj**

*Gudački kvintet Simfonijskog orkestra Mostar - glazbeni
broj*

Izložbu otvara dekan prof. dr. sc. **Ivo Čolak**

UVODNA PREDAVANJA (P1)

prof. dr. sc. **Blaž Gotovac**

THE RECONSTRUCTION OF THE OLD BRIDGE

Građevinsko-arhitektonski fakultet Sveučilišta u Splitu

prof. dr. sc. **Branko Katalinić**

QUO VADIS HOMO TECHNICUS?

Vienna University of Technology, Austria

17:00 – 20:00 PREDAVANJA (P2)

Krstevska, L.; Kustura, M. & Tashkov, Lj.

DYNAMIC TESTING OF THE OLD BRIDGE IN MOSTAR

Glibić, M.

A POSSIBLE REASONS OF CRACKS ON THE ARCH OF
THE OLD BRIDGE

Kalman, T. & Sigmund V.

PREDICTION OF BEHAVIOR OF THE INFILLED R/C
FRAMES UNDER LATERAL LOADS

Ožbolt, J.; Kožar, I. & Travaš, V.

PENETRATION OF STEEL ANCHOR INTO A CONCRETE
BLOCK – NUMERICAL CONTACT SIMULATION

Ožbolt, J.; Balabanić, G. & Periškić, G.

EFFECT OF DAMAGE ON CHLORIDE PENETRATION
PROFILES IN CONCRETE STRUCTURES

Fischinger, M. & Isaković, T.

SIMPLIFIED METHOD FOR THE IN ELASTIC SEISMIC
ANALYSIS OF REINFORCED CONCRETE VIADUCTS

Fischinger, M. & Isaković, T.

MACRO MODEL TO PREDICT IN ELASTIC SEISMIC
RESPONSE OF REINFORCED CONCRETE STRUCTURAL
WALLS

18:45 – 19:00 Stanka za kavu

Marušić, M.; Gotovac, B.; Kozulić, V. & Gotovac, H.

THE ADAPTIVE NUMERICAL MODEL OF A GIRDER ON
ELASTIC BASE

Perić, Lj.

MODELING AND DESIGN OF DEFORMABLE DUCTILE
STRUCTURES RESISTANT TO EARTHQUAKE EFFECTS
USING THE BEARING CAPACITY METHOD

Sesartić, R.; Kozulić, V. & Gotovac, B.

THE MODELING OF ARCH STRUCTURES

Mihanović, A.; Trogrlić, B. & Akmadžić, V.

NONLINEAR NUMERICAL MODEL FOR SEISMIC
ANALYSIS

PETAK, 14. studeni 2008.

10:00 – 13:00 PREDAVANJA (P3)

Kostić, S.; Lee, C. & Filippou, F.C.

EVALUATION OF RESULTANT PLASTICITY AND FIBER
BEAM-COLUMN ELEMENTS FOR THE SIMULATION OF
THE NONLINEAR RESPONSE OF STEEL STRUCTURES

Lozzi-Kožar, D. & Kožar, I.

INTEGRAL AND DIFFERENTIAL FORMULATION IN
RESERVOIR ROUTING

**Šćepanović, B.; Gil Martin, L.M.; Lučić, D.; Hernandez
Montes, E. & Aleksić, S.**

FEM MODELLING OF ECCENTRICALLY PATCH LOADED
STEEL I-GIRDERS

Sigmund, Z. & Sigmund, V.

A POSSIBILITY OF SIMPLE MODELING OF FRAME WITH
INFILL

Zejak, R. & Kopitović Vuković, N.

CALCULATION MODEL FOR A CASE OF EXPERIMENTAL
TESTING ON SLENDER RC COLUMNS

Koleková, Y.; Petronijević, M. & Schmid, G.
SIMPLE MODELS FOR SOIL-STRUCTURE INTERACTION

11:30 – 11:45 Stanka za kavu

Fischinger, M.; Kramar, M. & Isaković, T.
MODELLING SEISMIC RESPONSE OF PRECAST RC
INDUSTRIAL BUILDINGS WITH STRONG CONNECTIONS

Penava, D.; Sigmund, V.; Petronijević, M. & Schmid, G.
VIBRATION ANALYSIS OF FRAME STRUCTURE EXCITED
WITH RAYLEIGH WAVES USING SPECTRAL ELEMENTS

Milašinović, Z.; Kalajdžisalihović, H. & Raič, M.
APPLICATION OF UNSTEADY NUMERICAL MODEL MIKE
11 IN THE DETERMINATION OF RESISTANCE
COEFFICIENT

Matošević, D.; Sigmund, V. & Zovkić, J.
EXPERIMENTAL TESTING OF OF MASONRY AND
MASONRY PIERS

Milašinović, D.
RHEOLOGICAL-DYNAMICAL THEORY OF MULTIAXIAL
FATIGUE

16:00 – 19:45 PREDAVANJA (P4)

Mašović, S.
THE EFFECTS OF DIFFERENTIAL SHRINKAGE IN
COMPOSITE CONCRETE GIRDERS MADE CONTINUOUS

Bjelanović, A.; Rajčić, V. & Čizmar, D.
NEW POSSIBILITIES OF STRUCTURAL DESIGN USING
ARTIFICIAL INTELLIGENCE TECHNIQUES

Nikolić, Ž.; Mihanović, A. & Živaljić, N.
RESONANT RESPONSE SPECTRUM IN SEISMIC
ANALYSIS OF STRUCTURES

Markić, R.; Mucić, S.; Radnić, J.; Harapin, A. & Grgić, N.
NUMERICAL MODEL FOR THE NONLINEAR ANALYSIS
OF SPATIAL FRAMEWORK SYSTEMS

Draganić, H.; Varevac, D. & Markulak, D.
APPLICABILITY OF WAVE EQUATION AND FEM FOR
DETERMINATION OF THE BRIDGE EIGENVALUES IN
TRANSVERSAL DIRECTION

Mihanović, A. & Nikolić, Ž. & Smoljanović, H.
ELASTIC RESPONSE SPECTRUM OF WIND FORCE

17:30 – 17:45 Stanka za kavu

Morić, D. & Hadžima-Nyarko, M.
SDOF MODEL IN SEISMIC ANALYSIS

Šunjić, G.; Radnić, J. & Harapin, A.
BEHAVIOR OF SUBMERGED STRUCTURES UNDER
SEISMIC LOAD CONDITIONS

Radić, I.; Markulak, D. & Džeba, I.
NON-LINEAR MODELLING OF CASTELLATED BEAMS IN
BENDING

Galić, M.; Marović, P. & Nikolić Ž.
3D NUMERICAL MODELLING OF PRESTRESSED
CONCRETE STRUCTURES

Ević E.; Anton, H. & Čilić, D.
MODEL AND STATIC ANALYSIS OF STANDARDIZED
STRUCTURE SPAN OF THE ROAD BRIDGE MADE OF
PREFABRICATED ELEMENTS

Dimitrakopoulos, E. G.; Kappos, A. J. & Makris, N.
DIMENSIONAL RESPONSE ANALYSIS OF STRUCTURES
FOR RECORDS WITHOUT DISTINCT PULSES

Trogrlić, B.; Mihanović, A. & Balić, I.
PLASTIFICATION OF RC FRAME UNDER MONOTONIC
LOADING

Kožul, M.; Čubela, D. & Ivanković, V.
STRUCTURAL SAFETY ANALYSIS OF THE BUILDING
GLASS BANK IN MOSTAR

20:30 *Svečana večera u hotelu ERO*

SUBOTA, 15. studeni 2008.

09:00 – 11:00 PREDAVANJA I ZAKLJUČCI (P5)

Čubela, D.; Radnić, J.; Harapin, A. & Grgić, N.
EXPERIMENTAL TESTS AND NUMERICAL VERIFICATION
OF OMNIA SLABS BEHAVIOR

Soče, H. & Akmadžić, V.
JOINTS WITH HIGH STRENGTH BOLTS CLASS 10.9
UNDER THE TRANSIENT LOADING - EXPERIMENTAL
AND THEORETICAL ANALYSIS

Barać, D. & Lukić, I.
MODELING OF A PROTECTIVE STRUCTURE FOR THE
CONSTRUCTION OF DEEP FOUNDATIONS IN RIVERBED

Kozulić, V.; Gotovac, B. & Čolak, I.
MULTILEVEL MESH FREE METHOD FOR THE TORSION
PROBLEM

Vrdoljak, A.
ON THE COMPUTATION OF ZEROS OF POLYNOMIALS

Čolak, I.; Gotovac, B. & Kozulić, V.
NUMERICAL ANALYSIS OF 3D STRUCTURES WITH
CONSTANT PROPERTIES IN THE THIRD DIRECTION

Rahimić, S. & Višekruna, V.
PROPOSES A METHODOLOGY AND ARCHITECTURE
SUITABLE FOR GENERATING THE PROCESS PLAN OF
MACHINING PARTS

ZATVARANJE SIMPOZIJA

11:30 – 15:00 *Izlet i zajednički objed*