

**PROGRAMME
of the 14th INTERNATIONAL
SCIENTIFIC CONFERENCE
VSU'2014**

**ПРОГРАМА
на XIV МЕЖДУНАРОДНА
НАУЧНА КОНФЕРЕНЦИЯ
ВСУ'2014**

www.vsu.bg/conference/2014

01.06.2014

Organizer

UNIVERSITY
OF STRUCTURAL ENGINEERING
AND ARCHITECTURE (VSU)
“LYUBEN KARAVELOV” - SOFIA

Организатор

“ ”_

Co-Organizers

NATURAL SCIENCES
DEPARTMENT,
NEW BULGARIAN UNIVERSITY

Съорганизатори

“ ”,

BULGARIAN SOCIETY
OF SOIL MECHANICS
AND GEOTECHNICAL
ENGINEERING

Honorary Co-Organizers

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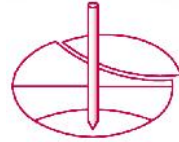
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Wi-Fi

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PROGRAMME OVERVIEW

Thursday June 5, 2014						Friday June 6, 2014					
8:00	Registration										
8:30	VSU Lobby										
9:00	Opening Ceremony						Section I		Section II		
9:30	Cinema Hall						Hall 201		Hall 202		
10:00	Ceremony of awarding the Degree „Doctor Honoris Causa“ of VSU										
10:30	Coffee Break						Coffee Break				
11:00	Plenary Session						Section I		Section II		Meeting Room
11:30	Cinema Hall						Hall 201		Hall 202		
12:00	Lunch						Break				
12:30	Canteen										
13:00	Section I	Section II	Section III	Section IV	Section V	Section I		Section II			
13:30	Hall 201	Hall 202	Hall 203	Hall 204	Hall 301	Hall 201		Hall 202			
14:00	Coffee Break					Poster Session		Break			
14:30	Passage					Hall 201		Hall 202			
15:00	Section I	Section II	Section III	Section IV	Section V						
15:30	Hall 201	Hall 202	Hall 203	Hall 204	Hall 301						
16:00	Coffee Break					Student's Poster Session		Section II			
16:30	Passage					Hall 201		Hall 202			
17:00	Section I	Section II	Section III	Section IV							
17:30	Hall 201	Hall 202	Hall 203	Hall 204							
18:00	Official Cocktail-party						Thursday, June 5, 12:45 Opening of the Exhibition „Awakening“				
18:30	VSU Lobby										
19:00											
19:30											

Sections:

- I. Architecture. Urban Planning and Urbanism.
Arts and Conservation of Architectural Heritage
- II. Structural Mechanics. Structural Engineering.
Earthquake Engineering
- III. Geodesy. Geotechnical Engineering. Road & Railway Engineering.
Tunnelling. Hydraulic Engineering
- IV. Building Materials. Energy Efficiency. Sustainable Construction.
Environmental Engineering and Environmental Security
- V. Construction Technology and Equipment.
Construction Management. Economics of Construction

ПРЕГЛЕД НА ПРОГРАМАТА

Четвъртък 5 юни 2014						Петък 6 юни 2014			
8:00	Регистрация								8:30
8:30									
9:00	Фойе								9:00
9:30	Откриване на конференцията						Секция I	Секция II	9:30
9:30	Кинозалон						зала 201	зала 202	
10:00	Връчване на почетното звание „Doctor Honoris Causa“ на ВСУ								10:00
10:30	кафе-пауза						кафе-пауза		10:30
11:00	Пленарна сесия						Секция I	Секция II	11:00
11:30	Кинозалон						зала 201	зала 202	Заседателна зала
12:00	Обедна почивка						почивка		12:00
12:30									12:30
13:00	Секция I	Секция II	Секция III	Секция IV	Секция V			13:00	
13:30	зала 201	зал 202	зала 203	зала 204	зала 301			13:30	
14:00	кафе-пауза						Секция I	Секция II	14:00
14:30							зала 201	зала 202	14:30
15:00	Постер сесия						почивка		15:00
15:30	Топла връзка								15:30
16:00	Секция I	Секция II	Секция III	Секция IV	Секция V		Секция II	16:00	
16:30	зала 201	зала 202	зала 203	зала 204	зала 301	Студентска постер сесия	зала 202	16:30	
17:00	кафе-пауза								17:00
17:30	Топла връзка								17:30
18:00	Секция I	Секция II	Секция III	Секция IV				18:00	
18:30	зала 201	зала 202	зала 203	зала 204				18:30	
19:00	Коктейл						четвъртък, 5 юни, 12:45		19:00
19:30	Фойе						Откриване на изложба „Пробуждане“		19:30

- I.
- II.
- III.
- IV.
- V.

International Scientific Committee

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Ragnar SIGBJÖRNSSON, Prof., PhD, University of Iceland, Reykjavík, Iceland	„	,	.	-
Rene MAQUOI, Prof., PhD, University of Liège, Belgium	,	„	-	,
Riccardo ZANDONINI, Prof., PhD, University of Trento, Italy	„	,	.	-
Richard GREINER, Prof., PhD, TU Graz, Austria	,	.	-	„
Teodor ROSHAVELOV, Prof., DSc, USEA (VSU) „L. Karavelov“, Bulgaria	„	„	.	„
Vladimir KARTOPOLTSEV, Prof., DSc, Tomsk State University of Architecture & Building, Russia	.	.	.	„
Włodzimierz MARTINEK, Prof., DSc, Warsaw University of Technology, Poland	.	.	.	„
Yatchko IVANOV, Prof., DSc, Academician, MBAS, Institute of Mechanics; NTSSB, Bulgaria	„	,	.	.

Conference site:
www.vsu.bg/conference/2014/

:
www.vsu.bg/conference/2014/

THURSDAY, JUNE 5, 2014

ЧЕТВЪРТЪК, 5 ЮНИ, 2014

VSU Lobby

8:00 – 9:00	<i>Registration</i>
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June 5
5

Cinema Hall

9:00 – 9:30	<i>Opening Ceremony</i>
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9:30 – 10:15	<i>Ceremony of Awarding</i>
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9:30 – 9:40 Ceremony of awarding the Degree “Doctor Honoris Causa” of VSU to Prof. DrSc., Phd., FEng. Vladimir K istek, Czech Republic “Doctor Honoris Causa”

9:40 – 10:15 Prof. DrSc., Phd., FEng. Vladimir K istek
ACADEMIC SPEECH

10:15– 10:30	<i>Coffee-break</i>	<i>VSU Lobby</i>
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10:30– 12:00	<i>Plenary Session</i>	<i>Cinema Hall</i>
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*Chairpersons: Prof. Doncho Partov, PhD
and Assoc. Prof. Ventseslav Stoyanov, PhD*

10:30 – 11:00 Nedelcho Gančovski
DESIGN OF STRUCTURES ACCORDING TO EUROCODE
WITH THE SOFTWARE PSCAD AND DESIGN EXPERT

PSCAD DESIGN

EXPERT

11:00 – 11:30 Radomir Foli
ROBUSTNESS OF REINFORCED CONCRETE BUILDINGS
AND BRIDGES

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11:30 – 12:00 Yatchko Ivanov, Ventseslav Stoyanov
SUSTAINABLE CONSTRUCTION –
STATE OF ART, PROBLEMS AND PROSPECTS

12:45 – 13:00	<i>Opening of the Exhibition „Awakening“</i>	
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*Curators: Assoc. Prof. Blagovesta Ivanova-Tsotsova, PhD
and Assoc. Prof. Aleksandra Ivanova, PhD*

June 5
5

Hall 201
201

Section I

**I. Architecture. Urban Planning and
Urbanism. Arts and Conservation of
Architectural Heritage**

I

I.

*Chairpersons: Assoc. Prof. Arch. Borislav Borisov, PhD
and Assoc. Prof. Arch. Valentina Varbanova, PhD*

13:00 – 14:30	<i>Session 1 – Oral presentations</i>	
	I –	
13:00 – 13:15	Natasa Zivaljevic-Luxor, Nadja Kurtovic-Folic	THIRD GENERATION IN PLANNING THE CULTURAL HERITAGE FUTURE
13:15 – 13:30	Peter Nikolov	DEMOGRAPHIC FACTORS, URBANIZATION AND URBAN SPRAWL IN SOFIA, ROME AND BELGRADE
13:30 – 13:45	Marija Pavlicic, Nikola Cekic, Nebojsa Gadzic	A VIEW ON SPATIAL CHANGES IN KOSOVSKA MITROVICA DURING THE LAST DECADE
13:45 – 14:00	Ivan Nikiforov, Yordan Lyubenov	ESSENCE, BENEFITS AND FACTORS OF POLYCETRISM. THE CASE OF SOFIA (EXAMPLES OF VITOSHA, KREMIKOVTSI AND NOVI ISKAR)
14:00 – 14:15	Marija Pavlicic	ARCHITECTURAL SPACE AND MEMORY: THE HERITAGE OF HOTEL “UNION” IN PRISTINA
14:15 – 14:30	Kalin Velchev	SCENARIOS FOR BUILDING OF ECOLOGICAL INDUSTRIAL TERRITORIES IN THE TOWN OF BALCHIK
14:30– 15:00	<i>Coffee-break</i>	<i>Small Lobby</i>
	-	

15:00 – 16:30

Session 2 – Oral presentations

2 –

15:00 – 15:15

15:15 – 15:30

Vladimir Petrov

THEORY OF VIEW. METHOD OF CALCULATING THE
MAXIMUM PERMISSIBLE HEIGHT OF VOLUMES
CONTAINED IN THE VISUAL PROJECTION TO AN
OBSERVED OBJECT WITH AN EYE ON PRESERVING THE
VISUAL THREADS IN THE URBAN SETTING USING
PETROV'S POLYHEDRON

15:30 – 15:50

15:50 – 16:10

16:10 – 16:25

16:25 – 16:40

16:40– 17:00

Coffee-break

Small Lobby

17:00 – 18:40

Session 3– Oral presentations

3 –

17:00 – 17:15

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17:15 – 17:30

17:30 – 17:45

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17:45 – 18:00

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18:00 – 18:20

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18:20 – 18:40

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(2/2)

June 5
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Hall 202
202

Section II

**Structural Mechanics.
Structural Engineering.
Earthquake Engineering**

II

*Chairpersons: Assoc. Prof. Eng. Radan Ivanov, PhD
and Assist. Prof. Eng. Vesselin Slavchev, PhD*

Session 1 – Oral presentations

13:00 – 14:30

1 –

- 13:00 – 13:15 Radomir Foli , Boris Foli , or e La inovi**
COMPARATIVE ANALYSIS OF THE METHOD FOR
DETERMINATION OF PILES FOUNDATION LATERAL
LOAD CAPACITY
Radomir Foli , Enis Sadovi
ROBUSTNESS OF RC STRUCTURES
UNDER THE CORROSION INGRESSION
- 13:15 – 13:30 Asterios Liolios, George Hatzigeorgiou, Konstantinos Liolios,
Boris Foli**
SEISMIC INTERACTION (POUNDING) BETWEEN ADJACENT
REINFORCED CONCRETE STRUCTURES STRENGTHENED
BY CABLE-ELEMENTS: A NUMERICAL APPROACH
- 13:30 – 13:45 Nenad Stojkovi , Hartmut Pasternak**
FATIGUE OF ADHESIVELY BONDED STRUCTURAL
ELEMENTS - RESIDUAL STRENGTH MODELS
- 13:45 – 14:00 uboš Šnirc, Ján Ravinger**
RESIDUAL STRESSES IN STEEL PLATE GIRDERS
- 14:00 – 14:15 Samer Sahellie, Hartmut Pasternak**
CONCENTRATION OF THE NORMAL STRESSES IN THE
ADHERENDS OF ADHESIVELY-BONDED DOUBLE LAP
STEEL JOINTS DUE TO REDUCING THE WIDTH OF THE
BONDED AREA
- 14:15 – 14:30 Eirini Papadimitriou, uboš Šnirc, Ján Ravinger**
STABILITY OF THERMO-STEEL PANELS

14:30– 15:00	<i>Coffee-break</i>	<i>Small Lobby</i>
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15:00 – 16:45	<i>Session 2 – Oral presentations</i>	
	2 –	

- 15:00 – 15:20** **Martin Psotný, Jozef Havran**
EFFECT OF A FLEXURAL RIGIDITY ON THE LOAD-DISPLACEMENT PATH OF VON MISSES TRUSS
- Martin Psotný, Jozef Havran**
EFFECT OF A NONLINEAR TERM IN AXIAL DISPLACEMENTS ON THE LOAD-DISPLACEMENT PATH OF VON MISSES TRUSS
- 15:20 – 15:40** **Philip Philipoff, Anastas Ivanov, Valentin Chobanov, Ognyan Ganchev, Mario Muñoz, Elka Radeva, Stoyan Velkoski, Philip Michaylov**
SPECTRAL PROPERTIES OF CIVIL ENGINEERING AND TRANSPORT ENGINEERING STRUCTURES
- Philip Philipoff, Anastas Ivanov, Valentin Chobanov, Ognyan Ganchev, Mario Muñoz, Elka Radeva, Stoyan Velkoski, Philip Michaylov**
MATHEMATICAL MODELLING AND SIMULATION OF LARGE SCALE BRIDGES
- 15:40 – 16:00** **Liuben Elenkov, Detelina Ignatova, Vesselina Dalgacheva, Borislav Ganev, Ivailo Ivanov**
DYNAMIC BEHAVIOUR OF CIVIL ENGINEERING AND TRANSPORT ENGINEERING STRUCTURES UNDER TEMPERATURE LOADING
- Liuben Elenkov, Detelina Ignatova, Vesselina Dalgacheva, Borislav Ganev, Ivailo Ivanov**
DYNAMIC MODELING AND SIMULATION OF LARGE SCALE BRIDGES UNDER TEMPERATURE LOADING
- 16:00 – 16:15** **Stoyan Andreev**
CALCULATION OF FLOOR RESPONSE SPECTRA. CASE STUDY OR THE MAIN EQUIPMENT OF A 35 MW STEAM TURBINE
- 16:15 – 16:30** **Tanya Chardakova**
FINITE ELEMENT MODELS FOR THE ASSESSMENT OF THE GLOBAL CAPACITY OF REINFORCED CONCRETE FRAME STRUCTURES WITH INFILL MASONRY
- 16:30 – 16:45** **Alexander Tesar**
VIBRATION CONTROL OF CARBON BRIDGES

16:45– 17:00	<i>Coffee-break</i>	<i>Small Lobby</i>
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17:00 – 18:40	<i>Session 3 – Oral presentations</i>	
	3–	

17:00 – 17:15

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Ranguel Gurov

ARE STRONG EARTHQUAKES CYCLIC?

17:15 – 17:30

Ivan Geshanov

SEISMIC DESIGN OF BUILDINGS AND STRUCTURES BY COMBINED USE OF EXCENTRICALLY BRACED FRAME WITH SEISMIC LINK AND REDUCED BEAM SECTION

17:30 – 17:50

Zdravko Bonev, Stanislav Dospevski

SEISMIC STRENGTHENING OF R/C STRUCTURES: NEED AND EFFICIENCY VERIFICATION BASING ON CAPACITY SPECTRA

Zdravko Bonev, Stanislav Dospevski

SEISMIC ACTION EFFECTS: TAKING INTO ACCOUNT THE CONTRIBUTION OF LONG PERIOD COMPONENT ACCORDING TO BDS EN 1998, PARTS 1 AND 6

17:50 – 18:05

Antoaneta Kaneva, Dimitar Stefanov, Mihaela Kouteva-Guentcheva

SEISMIC ANALYSIS OF BURIED TANKS AND ATTACHED PIPES

18:05 – 18:20

Vladimir Yakov

CALCULATION OF THE TEMPERATURE OF A PROTECTED STEEL ELEMENT EXPOSED TO FIRE ACCORDING A PARAMETRIC CURVE

18:20 – 18:40

Doncho Partov, Vesselin Kantchev

EUROCODE 2 PROVISION AGAINST AMERICAN STANDARDS (ACI 209R-92 AND GARDNER&LOCKMAN MODELS) IN CREEP ANALYSIS OF COMPOSITE STEEL-CONCRETE SECTION.

PART I – THEORETICAL TREATMENT

Doncho Partov, Vesselin Kantchev

PART II – NUMERICAL EXPERIMENT

June 5
5

Hall 203
203

Section III

Geodesy. Geotechnical Engineering.
Road & Railway Engineering.
Tunnelling. Hydraulic Engineering

III

Chairpersons: *Prof. Tsenko Tsenkov, PhD*
and *Assoc. Prof. Georgi Frangov, PhD*

13:00 – 14:30 *Session 1 – Oral presentations*
1 –

13:00 – 13:15 **Kemal Edip, Mihail Garevski, Vlatko Sheshov Julijana Bojadjieva, Igor Gjorgjiev**
COUPLED APPROACH IN SIMULATION OF SOIL CONSOLIDATION

13:15 – 13:30 **Lena Mihova, N. N. Truc**
CONSTITUTIVE MODELS FOR SETTLEMENT ANALYSIS OF SOFT SALT-AFFECTED GROUND

13:30 – 13:45 **Julijana Bojadjieva, Vlatko Sesov, Kemal Edip**
ASSESSMENT OF LIQUEFACTION POTENTIAL BY IN-SITU METHODS AND LABORATORY EXPERIMENTS

13:45 – 14:00

14:00 – 14:15

14:15 – 14:30

14:30– 15:00	<i>Coffee-break</i>	<i>Small Lobby</i>
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15:00 – 16:35	<i>Session 2 – Oral presentations</i>	
	2 –	

15:00 – 15:15 Milen Kadiyski, Stoyan Sarov, Georgi Frangov, Vladislav Kostov-Kytin, Svetla Sarova, Lubomira Macheva, Ventseslav Stoyanov, Vilma Petkova
ELESHNITSA LANDSLIDE: CURRENT CONDITION AND CONSIDERATIONS

15:15 – 15:30

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15:30 – 15:45

15:45 – 16:00

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16:00 – 16:20

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16:20 – 16:35

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16:35– 17:00	<i>Coffee-break</i>	<i>Small Lobby</i>
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17:00 – 18:30	<i>Session 3 – Oral presentations</i>	
	3–	

17:00 – 17:15

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17:30 – 17:45

17:45 – 18:00 “ “

18:00 – 18:15 “ “ ” - “

18:15 – 18:30 , -

June 5
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Hall 204
204

Sections IV

**Building Materials. Energy Efficiency.
Sustainable Construction.
Environmental Engineering and
Environmental Security**

IV

*Chairpersons: Assoc. Prof. Eng. Ventseslav Stoyanov, PhD
and Assoc. Prof. Eng. Radi Ganev, PhD*

13:00 – 14:30	<i>Session 1 – Oral presentations</i> 1 –
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13:00 – 13:15

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13:15 – 13:30

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13:45 – 14:00

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14:00 – 14:15

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14:15 – 14:30

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14:30– 15:00	<i>Coffee-break</i>	<i>Small Lobby</i>
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15:00 – 16:45	<i>Session 2 – Oral presentations</i>	
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15:00 – 15:15

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15:15 – 15:30

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15:50 – 16:10

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16:10 – 16:30

16:30 – 16:45

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16:45– 17:00	<i>Coffee-break</i>	<i>Small Lobby</i>
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17:00 – 18:40	<i>Session 3 – Oral presentations</i>	
	3–	

17:00 – 17:15 **Georgi Georgiev, Martin Krus**
 MINIMUM-INVASIVE ENERGY RETROFIT APPROACHES
 FOR OWNER COMMUNITITES IN RESIDENTIAL
 BUILDINGS

17:15 – 17:30 **Victoria Cotorobai, Bogdan Ungureanu, Ioan Cristian
 Branca, Ioan-Cristian Cotorobai**
 PARADIGM SHIFT IN THE DEVELOPMENT STRATEGIES
 OF FUTURE CITIES

17:30 – 17:45 **Št pán Major, Ivan Jandejsek, Jaroslav Valach, Daniel
 Vav ík**
 ON-SITE MEASUREMENT OF INDIRECT STRENGTH IN
 TENSION OF HISTORICAL BUILDING MATERIALS

17:45 – 18:00 **Bogdan Ungureanu, Victoria Cotorobai, Cristina Vl doiu,
 Ioan-Cristian Cotorobai**
 MATERIALS AND EQUIPMENT ACQUIRED BY
 NANOTECHNOLOGIES WITH APPLICATIONS IN
 BUILDINGS

18:00 – 18:20 , -
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18:20 – 18:40 :
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June 5
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Hall 301
301

Sections V

Construction Technology and
Equipment.
Construction Management.
Economics of Construction

V

*Chairpersons: Assoc. Prof. Eng. Vencislav Stoyanov, PhD
and Assoc. Prof. Eng. Lachezar Hrishev, PhD*

13:00 – 14:30	
<i>Session 1 – Oral presentations</i>	
1 –	
13:00 – 13:15	, ,
13:15 – 13:30	Vladimir Savyovsky, Artem Savyovsky, Tatyana Suhorukova TECHNOLOGICAL FEATURES OF STRENGTHENING OF FOUNDATIONS OF BUILDING (<i>In Russian</i>)
13:30 – 13:45	, -
13:45 – 14:00	Fantina Rangelova, Petar Hristov, Teodor Todorov REHABILITATION AND STRENGTHENING OF MASONRY STRUCTURES WITH FIBER-REINFORCED COMPOSITE SYSTEM - THE ORGANIZATIONALLY- TECHNOLOGICAL AND CONSTRUCTIVE SOLUTIONS IN ACCORDANCE OF EROCUDES
14:15 – 14:30	

14:00 – 14:15

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14:30 – 15:00	<i>Coffee-break</i>	<i>Small Lobby</i>
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15:00 – 16:40	<i>Session 2 – Oral presentations</i>	
	2 –	

15:00 – 15:15

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15:15 – 15:30

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15:30 – 15:50

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15:50 – 16:10

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16:10 – 16:25

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16:25 – 16:40

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**June 5
5**

Passage

All Sections

Posters

*Chairpersons: Prof. Eng. Konstantin Kazakov, DSc
and Assist. Prof. Eng. Vladimir Matuski*

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14:00 – 15:30

Session – Poster presentations

Section I

Miomir Vasov, Milos Dacic, Vuk Milosevic, Nikola Cekic
INFLUENCE OF THE FAÇADE THERMAL ENVELOPE ON
THE STUDENT HOSTELS ARCHITECTURE
Milos Dacic, Vuk Milosevic, Nikola Cekic, Miomir Vasov
ESSENTIAL CONTEMPORARY MATERIALS IN STUDENT
HOUSING ARCHITECTURE
Milos Dacic, Vuk Milosevic, Nikola Cekic, Miomir Vasov
ARCHITECTURE AND URBAN PLANNING OF ECO
FRIENDLY STUDENT HOUSING
Miomir Vasov, Milos Dacic, Vuk Milosevic, Nikola Cekic
ACOUSTIC ASPECT OF INNER PARTITION WALLS
MATERIALIZATION IN STUDENT HOSTELS
ARCHITECTURE
**Aleksandra Kostic , Danica Stankovic , Petar Peji , Nikola
Ceki , Miomir Vasov, Igor Bjeli**
COLOR PARAMETER IN PRE-SCHOOL FACILITIES
**Aleksandra Kostic , Miomir Vasov, Igor Bjeli , Miloš Da i
Nikola Ceki**
IMPACT OF THE MODERN AGE ON THE
ARCHITECTURAL COMPOSITION OF DORMITORIES

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Section II	<p>Stefan Coni , Ivana Kostadinov, Slavko Zdravkovi , Milovan Stanojev CATASTROPHIC EFFECTS OF THE HAIYAN TYPHOON ON THE PHILLIPINES</p> <p>Slavko Zdravkovi , Tomislav Igi , Novica Ton ev, Marina Mijalkovi THE ESSENCE OF PHILOSOPHY OF ASEISMIC DESIGNING</p> <p>Stefan Coni , Slavko Zdravkovi , Dragan Zlatkov, Predrag Savi REPAIR, REINFORCEMENT AND DESIGN SAFETY CRITERIA IN SEISMIC DESIGN</p> <p>Predrag Petronijevi , Dragan Zlatkov, Slavko Zdravkovic, Sr an Živkovic SEISMIC HAZARD AS A NATURAL PHENOMENON</p> <p>Dragana Turni , Slavko Zdravkovi , Jelena Savi , Miloš Asenov CAUSES AND LOCATIONS OF EARTHQUAKE EVENTS</p> <p>Predrag Petronijevi , Slavko Zdravkovi , Mirza Hadžimužovi , Sandra Šakovic DETERMINATION OF FREQUENCIES OF CONTINUOUS BEAMS USING GALERKIN METHOD</p> <p>Dragana Turni , Dragoslav Stojic, Slavko Zdravkovi , Biljana Mladenovi APPLICATION OF VARIATION METHODS IN STRUCTURAL DYNAMICS</p> <p>Slavko Zdravkovi , Danilo Risti , Petar Mitkovi , Dragan Zlatkov INNOVATIVE SYSTEM FOR THE BUILDING PROTECTION FROM EARTHQUAKE EFFECTS</p> <p>Anguel Baltov, Ana Yanakieva, Nikola Nikolov APPROXIMATIVE PROCEDURE TO HOMOGENIZATION OF MICROSTRUCTURED COMPOSITE MATERIALS</p>
Section III	<p>Verka Prolovi , Slavko Zdravkovi , Marina Mijalkovi , Dragoslav Stojic THEORETICAL SOLUTION OF THE FOUNDATION SLAB DEFLECTION USING FINITE DIFFERENCE METHOD</p>

Verka Prolovi , Slavko Zdravkovi , Tomislav Igc, Zoran Boni

IMPORTANCE OF THE INTEGRAL BEHAVIOUR OF THE SOIL-FOUNDATIONS-STRUCTURE SYSTEM

Martin Slabej

PERFORMANCE OF SELECTED PAVEMENT SERVICEABILITY PARAMETERS AND SURFACE DETERIORATIONS

Martin Slabej, Michal Grin , uboš Remek

PROGRESSIVE QUALITY ASCERTAINMENT METHODS OF THE SURFACE AND STRUCTURAL LAYERS OF A PAVEMENT

Section IV

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Section V

16:00 – 17:30

Session – Best Poster Presentation by a Student Award

**Chairpersons: Prof.Dimitar Dimitrov, PhD
and Assist. Prof. Eng. Anita Handruleva, PhD**

Friday, JUNE 6, 2014

Петък, 6 ЮНИ, 2014

**June 6
6**

**Hall 201
201**

Section I

**I. Architecture. Urban Planning and
Urbanism. Arts and Conservation of
Architectural Heritage**

I

I.

*Chairpersons: Assist. Prof. Arch. Borislava Mancheva, PhD
and Assist. Prof. Arch. Lubomir Gorchev*

9:00 – 10:30

Session 4 – Oral presentations

4 –

9:00 – 9:15

9:15 – 9:30

9:30 – 9:45

9:45 – 10:00

10:00 – 10:15

10:15 – 10:30

10:30– 11:00	<i>Coffee-break</i>	<i>Small Lobby</i>
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11:00 – 12:30	<i>Session 5 – Oral presentations</i> 5 –
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11:00 – 11:20

11:20 – 11:40

11:40 – 12:00

12:00 – 12:15 E

12:15 – 12:30

12:30– 13:00 *Break*

13:00 – 15:15 *Session 6 – Oral presentations*
6 –

13:00 – 13:10

13:10 – 13:20

13:20 – 13:40

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13:40 – 14:00

14:00 – 14:15

14:15 – 14:30 E

14:30 – 14:45

14:45 – 15:00

15:00 – 15:15

June 6
6

Hall 202
202

Section II

**Structural Mechanics.
Structural Engineering.
Earthquake Engineering**

II

*Chairpersons: Assoc. Prof. Dafinka Angelova, PhD,
and Assoc. Prof. Eng. Todor Georgiev, PhD*

<i>Session 4 – Oral presentations</i>	
4 –	
9:00 – 9:15	Anita Handruleva, Vladimir Matuski, Konstantin Kazakov COMBINED MECHANISMS OF DESTRUCTION FOR THE DISCRETE SINGLE-LAYER SPHERICAL DOMES
9:15 – 9:20	Vladimir Matuski, Anita Handruleva, Konstantin Kazakov LOSS OF STABILITY AND MECHANISMS OF DESTRUCTION FOR SPATIAL STRUCTURES
9:30 – 9:30	Emil Mutashov SOME SPECIAL FEATURES IN BUILDING STRUCTURES CALCULATION UNDER HORIZONTAL LOADS WITH FEM BASED SOFTWARE PRODUCTS
9:45 – 9:40	Milko Miloshev, Konstantin Kazakov MODEL OF A PLATE ON ELASTIC FOUNDATION BASED ON THE DEFORMATION PROPERTIES OF THE WINKLER'S FOUNDATION AND THE ELASTIC HALF-SPACE
10:00 – 10:15	Lazar Vasilev CALCULATION OF LOAD EFFECTS IN A BRIDGE SUPERSTRUCTURE UNDER DIFFERENT LOAD MODELS
10:15 – 10:30	Svetlozar Sirakov, Radoslav Kunchev ACCIDENTAL ECCENTRICITY INFLUENCE OVER LOAD EFFECTS IN VERTICAL STRUCTURAL MEMBERS
10:30– 11:00	<i>Coffee-break</i>
	<i>Small Lobby</i>

11:00 – 12:30

Session 5 – Oral presentations

5 –

11:00 – 11:20

11:20 – 11:40

11:40 – 12:00

12:00 – 12:20

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12:20 – 12:40

12:40– 13:00

Break

13:00 – 14:45	<i>Session 6 – Oral presentations</i>	
	6 –	

13:00 – 13:20

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13:20 – 13:40

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13:40 – 14:00

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14:00 – 14:15

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14:15 – 14:30

14:30 – 14:45

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14:45– 15:00	<i>Coffee-break</i>	<i>Small Lobby</i>
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15:00 – 17:30

Session 7 – Oral presentations

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15:00 – 15:10

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16:00 – 16:10

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16:50 – 17:00

17:00 – 17:10

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17:10 – 17:20

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17:20 – 17:30

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**June 6
6**

Meeting Room

Forum

Green Building for our Future

*Moderators: Assoc. Prof. Eng. Ventseslav Stoyanov, PhD
and Assoc. Prof. Eng. Lachezar Hrishev, PhD*

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10:00 – 10:45

Presentations

10:45 – 11:15

Refreshment Break

11:15– 12:00

Discussion

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<http://www.evrika.org/>

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