



45<sup>TH</sup> CONFERENCE OF SASE

Grand Hotel Bernardin, Portorož, 7 & 8 November 2024

## PROGRAMME

### THURSDAY, 7 NOVEMBER 2024

9<sup>00</sup>–9<sup>30</sup> **OPENING SESSION**

9<sup>30</sup>–10<sup>30</sup> **INVITED LECTURES**

*Matjaž DOLŠEK*

FACTS AND MISCONCEPTIONS IN DETERMINING DESIGN SEISMIC ACTION

*Mario D'ANIELLO*

SEISMIC DESIGN OF STEEL MRFS AND CBFS IN THE SECOND GENERATION OF EUROCODE 8

10<sup>30</sup>–11<sup>00</sup> **WHAT IS NEW IN CIVIL ENGINEERING**

*Dejan PREBIL, Tomaž STRMOLE, Klemen REJEC*

ENSURING MECHANICAL RESISTANCE AND STABILITY WITH MINOR RECONSTRUCTIONS

*Alexey SHAKHVOROSTOV, Matija GAMS, Igor ALATYREV*

DEVELOPING 3D PRINTING TECHNOLOGY IN CONSTRUCTION

11<sup>00</sup>–11<sup>30</sup> **COFFEE BREAK**

11<sup>30</sup>–12<sup>30</sup> **STRUCTURES**

*Viktor MARKELJ, Rok MLAKAR*

CRYSTAL OBSERVATION TOWER

*Aleš JAMŠEK, Grega LAJKOVIČ*

CONSTRUCTION CHALLENGES IN THE KRŠKO NUCLEAR POWER PLANT SECOND UNIT PROJECT – JEK2

*Danilo MALNAR, Jaka PRELEC, Peter ZUPANČIČ*

DESIGN AND CONSTRUCTION OF A CENTRE FOR THE MECHANICAL-BIOLOGICAL TREATMENT OF WASTE IN DOLENJSKA AND BELA KRAJINA

*Davor KAUČIČ, Jurij JANČAR, Bruno DUJIČ, Boštjan BRANK*

DESIGNING WITH IQWOOD TIMBER PANELS

12<sup>30</sup>–13<sup>40</sup> **BRIDGES**

*Marjan PIPENBAHER, Miran ŠTERN, Tatjana PETERŠIČ*

DESIGN AND CONSTRUCTION OF THE GABROVICA AND THE VINJAN VIADUCT

*Iztok ARNUGA, Plamen NIKOLOV, Patrick HUBER*

BRIDGE DISMANTLING

*Robert PEČENKO, Ema KOGOVSĚK, Bojan ČAS*

ANALYSIS OF ENVIRONMENTAL THERMAL EFFECTS ON BRIDGES BUILT USING STRESS RIBBON BRIDGE TECHNOLOGY

*Mihailo OSTOJIĆ, Duško LUČIĆ*

PATCH LOADING PROBLEMS IN THIN-WALLED STEEL GIRDERS

*Baldini Studio, Schöeck, eDisti*

PRESENTATION OF GOLD SPONSORS

**13<sup>40</sup>–15<sup>00</sup> LUNCH BREAK (RESTAURANT Grand hotel Bernardin)**

**15<sup>00</sup>–16<sup>15</sup> STRENGTHENING AND RECONSTRUCTION OF EXISTING STRUCTURES**

*Stefano BARONE, Michal AMBOR, Miha MARAŽ*

ITALIAN PERSPECTIVES ON SEISMIC RETROFITTING: UNRAVELING THE STATE OF THE ART IN BUILDING ISOLATION TECHNIQUES

*Luca BOMBONATI, Luca DRIGANI, Allen DUDINE, Dušan ŠKRABA*

PRELIMINARY RESULTS OF IN-SITU PUSHOVER TESTS ON ORIGINAL AND CRM STRENGTHENED MASONRY BUILDINGS

*Leon HLADNIK*

MEASURES WITHIN THE RECONSTRUCTION AND REHABILITATION OF STRUCTURES OF TWO EXISTING BUILDINGS

*Maruša GREGORIČ, Ervin STRUNA*

RECONSTRUCTION OF THE RUNWAY AND APRONS AT CERKLJE OB KRKI AIRPORT

*SCIA, Freyssinet Adria, Röfix, MOBECO*

PRESENTATION OF GOLD SPONSORS

**16<sup>15</sup>–16<sup>45</sup> COFFEE BREAK**

**16<sup>45</sup>–17<sup>45</sup> SEISMIC ENGINEERING**

*Marjana LUTMAN, Meta KRŽAN, Ilma KULOVIĆ*

SEISMIC RISK OF BUILDINGS OWNED OR/AND MANAGED BY THE SLOVENIAN MINISTRY OF JUSTICE - PRELIMINARY RESULTS

*Blaž ZOUBEK, Jure ŽIŽMOND, Marco BOLIS, Matej FISCHINGER, Tatjana ISAKOVIĆ*

SEISMIC BEHAVIOUR OF PRECAST FAÇADE SYSTEMS IN INDUSTRIAL AND COMMERCIAL BUILDINGS: EXPERIENCE FROM PAST EARTHQUAKES, PROBLEMS AND SOLUTIONS

*Neja FAZARINC, Matjaž DOLŠEK*

THE IMPACT OF PARAMETRIC PUSHOVER CURVE MODEL UNCERTAINTIES ON SEISMIC RISK ASSESSMENT

*Jasna DONEVSKA, Darko NAKOV*

COMPARATIVE ANALYSIS OF REINFORCED CONCRETE BUILDING ACCORDING TO THE FIRST AND SECOND GENERATION OF EUROCODE 8

**17<sup>45</sup>–18<sup>15</sup> ASSEMBLY OF SASE**

**20<sup>00</sup>–02<sup>00</sup> DINNER WITH LIVE MUSIC  
(Restaurant Arkade, Hotel Histrion)**

## FRIDAY, 8 NOVEMBER 2024

9<sup>30</sup>–10<sup>00</sup>

### INFORMATION TECHNOLOGY IN CIVIL ENGINEERING

*Miguel SANTAMARÍA, Stefan MELTZER*

TRANSFORMING CIVIL INFRASTRUCTURE: OVERCOMING INDUSTRY CHALLENGES WITH BENTLEY SYSTEMS ADVANCED SOLUTIONS

*Miha HAFNER, Nejc POVŠIČ*

TUNNEL INNER LINING CRACKS ANALYSIS WITH MACHINE LEARNING – EXAMPLE OF THE LEŠČEVJE TUNNEL

10<sup>00</sup>–11<sup>00</sup>

### NUMERICAL ANALYSIS OF STRUCTURES

*Nemanja KRTINIĆ, Matija GAMS, Marko MARINKOVIĆ*

MODELLING THE RESPONSE OF A THREE-STOREY CONFINED MASONRY BUILDING USING AN EQUIVALENT STRUT MODELS

*Sara PICULIN, Blaž ROZMAN, Primož MOŽE*

NEW EUROCODE EN 1993-7 FOR THE DESIGN OF SANDWICH PANELS

*Ivan BELES*

IMPORTANCE OF ACCOUNTING FOR ROTATIONAL STIFFNESS OF JOINTS IN STEEL STRUCTURES IN FINITE ELEMENT ANALYSIS

*Jelena VILOTIJEVIĆ, Miroslav PREMROV*

NUMERICAL ANALYSIS OF FLOOR STIFFNESS AS HORIZONTAL STRUCTURAL DIAPHRAGMS UNDER HORIZONTAL LOADS

11<sup>00</sup>–11<sup>30</sup>

### COFFEE BREAK

11<sup>30</sup>–13<sup>15</sup>

### EXPERIMENTAL ANALYSIS OF STRUCTURES

*Žiga UNUK*

CONCEPTUAL STRUCTURAL ANALYSIS OF A DISCRETE RETICULATED TIMBER STRUCTURE WITH HYBRID STEEL-CONCRETE JOINTS

*Peter KOČMAN, Igor PLANINC*

SPATIAL BUCKLING OF ELASTIC COMPOSITE COLUMNS

*Neville WOOD, Gorazd STRNIŠA, Matevž LESJAK*

DEMANDING CONDITIONS OF FOUNDATION SOILS IN BARJE, LJUBLJANA: TESTING THE TRM PILE SYSTEM

*Boris AZINOVIĆ, Henrik DANIELSSON, Erik SERRANO, Tomaž PAZLAR*

EXPERIMENTAL INVESTIGATION OF THE CAPACITY OF CROSS LAMINATED TIMBER BEAMS

*Marija GALEVSKA, Simona BOGOEVSKA, Kristina MILKOVA, Sergej CHURILOV, Elena DUMOVA-JOVANOSKA*

ROBUSTNESS OF THE VIBRATION DOSE VALUE METHOD – A CASE STUDY

*Barbara Mihaela SAJE, Drago SAJE*

OVERVIEW OF THE LONG-TERM COMPRESSIVE STRENGTH DEVELOPMENT OF HIGH-STRENGTH CONCRETE

*Jerneja ČEŠAREK KOLŠEK, Urška BLUMAUER, Sebastjan BRATINA*

DESIGN OF TWO POST-TENSIONED BEAMS FOR TESTING IN A FIRE LABORATORY

13<sup>15</sup>–13<sup>30</sup> HISTORY OF STRUCTURES

Lara SLIVNIK

THE BOOK »STANKO DIMNIK, PIONEER OF SLOVENIAN CIVIL ENGINEERING«

13<sup>30</sup>–14<sup>00</sup> DISCUSSION AND CLOSURE



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