INVITATION WITH PROGRAMME

ORGANIZED BY

Czech Constructional Steelwork Association
European Convention for Constructional Steelwork

www.steelbridges2018.com
SUPPORTERS

– ASCEM – Asociación para la Construcción de Estructuras Metálicas, Spain
– Bauforumstahl e.v., Germany
– CMM – Portuguese Steelwork Association, Portugal
– DSI – Dansk Stal Institut, Denmark
– EGGA - European General Galvanizers Association
– FCSA – Finnish Constructional Steelwork Association, Finland
– FEDIL – Business Federation Luxembourg, Luxembourg
– MAGESZ – Hungarian Steel Association, Hungary
– NSA – Norsk Stallforbund, Norway
– OSTV – Österreichischer Stahlbauverband, Austria
– SBI – Stålbyggnadsinstitutet, Sweden
– SCMF – Syndicat de la Construction Métallique de France, France
– SNS – Samenwerkende Nederlandse Staalbouw, The Netherlands
– S2S – Stahlbau Zentrum Schweiz, Switzerland
– TUCSA – Turk Yapışal Celik Demegi, Turkey
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TOPICS

Bridge architecture • Bridge maintenance • Bridge monitoring, computer technology and analysis • Case studies • Fabrication and construction • Field testing • High strength steel for bridges • Highway bridges • Historical bridges • Pedestrian bridges • Railway bridges • Refurbishment • Safety and seismic behaviour • Structural connections • Surface protection • Sustainability

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REGISTRATION FEE

The Symposium fee covers admission to the symposium, the Book of Abstracts, Proceedings on CD, symposium bag, coffee breaks and lunches for two days, Symposium Dinner. In the case of Accompanying Persons, Symposium Dinner, Tour and Gala Dinner can be bought separately.

All prices are stated in EUR and are including VAT.
Monday 10th September

09:00 – 13:00  Hall: Zürich 2+3+4  Keynote Speakers

09:00 – 09:10  Opening speech (Prof. Frantisek Wald)

09:10 – 09:30  Long-Span Orthotropic Steel Deck Bridges of Turke

Nurdan M. apaydin

09:30 – 09:50  Troja Bridge in Prague

Vladimír Janata

09:50 – 10:10  Railway Road Bridge in Novi Sad – Steel tied

network arches across the Danube

Antonio Mora Munoz

10:10 – 10:30  The New Champlain Bridge

Marwan Nader

10:30 – 11:00  Coffee break

11:00 – 11:20  New Stary most (Old bridge) across Danube river

in Bratislava

Petr Novotný

11:20 – 11:40  Railway network arch bridge – Oskar

David Rose

11:40 – 12:00  Boomerang and Jungle pedestrian bridges in Oslo

Gaute Mo

12:00 – 12:20  Maintenance free corrosion protection for

composite bridges with hot-rolled sections

Dennis Rademacher

12:20 – 12:40  Holistic approach to sustainability of bridges

Ana M. Pascual Pastor

12:40 – 13:00  Rehabilitating project of unconventional suspension

bridge

Hermes Carvalho

13:00 – 14:00  Lunch

14:00 – 16:00  Hall: Zürich 2+3  Case studies

14:00 – 14:20  The particular challenges of expansion joint

installation in steel bridges – Case studies

David Jelínek

14:20 – 14:40  Design, construction and on-site fabrication of the

Chenab Bridge using BIM

Matti-Esko Järvenpää

14:40 – 15:00  Why Steel Bridges for Accelerated Bridge Construk-

tion: Steel Bridge Systems Best Suited for ABC

Atodor Azizanamini

15:00 – 15:20  Advanced solutions with hot-rolled sections for

more economical bridges

Wojciech Lorenz

15:20 – 15:40  Case study: Small steel ready-made bridges for

rural and mountainous areas

Boris Tasevski

15:40 – 16:00  Experience of duplex stainless steels as structural

materials for bridges

Andrew Backhouse

14:00 – 16:00  Hall: Zürich 4  Bridge maintenance

14:00 – 14:20  Challenging the Performance Myth of Inorganic

Zinc Rich vs Organic Zinc Rich Primers and

Activated Zinc Primers

Raquel Morales

14:20 – 14:40  Lifetime extension of existing steel bridges

Roberto Pavan

14:40 – 15:00  FEVE based coating systems: Protecting Steel

Bridges for over 30 years

Floris B. Kooistra

15:00 – 15:20  Retrofit against fatigue cracking at web penetration

details with a slot in steel girder

Chihiro Sakamoto
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| 09:00 – 10:20| Hall: Zürich 4 Structural connections              |          | Research on shear and bolt connection of steel and composite bridge construction regarding corrosion protection  
Svenja Holtkamp                                          |
| 09:00 – 09:20|                                                   |          | Advanced procedures for design of bolted connections                    
František Wald                                              |
| 09:40 – 10:00| An Experimental Study of Friction Connection for Different Surface Treatments  
Peter Collin                                                |
| 10:00 – 10:20|                                                   |          | Time-optimized assembly of bridge bearings                              
Luigi Di Gregorio                                          |
| 10:20 – 11:00|                                                   |          | Coffee break                                                           |
| 11:00 – 12:20| Hall: Zürich 2 Fabrication and construction        |          | Fabrication and construction of a hexagonal section steel arch bridge  
Philippe Van Bogert                                         |
| 11:00 – 11:20|                                                   |          | Galvanized Bridges in Japan                                             
Murray Cook                                                  |
| 11:00 – 11:40|                                                   |          | Influence of High Frequency Impact Treatment (HiFIT) on fatigue strength of welded joints of high-strength steel S700MC for bridges applications  
Krzysztof Krasnowski                                         |
| 12:00 – 12:20| New Modular Bridges Solutions                     |          |                                                                     |
| 11:00 – 12:20| Hall: Zürich 3 Railway bridges                     |          | Composite bridge solutions in rolled shapes for small and medium span bridges – Review and future developments  
Riccardo Zanon                                              |
| 11:00 – 11:40|                                                   |          | Railway bridges - SUDOP PRAHA a.s.                                     
Filip Kutina                                                 |
| 11:00 – 12:00|                                                   |          | Comparison of acoustic phenomena in the vicinity of two types of steel plate girder bridges  
Lucjan Janas                                                 |
| 12:00 – 12:20| New Athens-Thessaloniki high speed railway line: Detailed design and construction engineering of a steel tied-arch bridge  
Georgios Mavrakis                                          |
| 11:00 – 12:20| Hall: Zürich 4 Bridge monitoring                   |          | Strain measurement of a bridge deck in order to evaluate the fatigue life of a steel bridge on the D1 highway in the Vysočina region  
Stanislav Vejvoda                                          |
| 11:00 – 11:20|                                                   |          | Open and standard-based method to link structural health monitoring data through a BrIM with a bridge FM system  
Markku Kiviniemi                                            |
| 11:14 – 12:00|                                                   |          | Potential modelling and verification of bridge superstructures behaviour  
Ján Bujáň                                         |
| 12:00 – 12:20|                                                   |          | Numerical simulation of rib distortion in orthotropic steel decks  
Heng Fang                                                   |
| 12:20 – 13:20 |                                                   |          | Lunch                                                                  |
Andreas Jäger-Cariás                                        |
| 13:20 – 13:40|                                                   |          | Architecture of steel bridges                                           
Jill Strašek                                                 |
| 14:00 – 14:20|                                                   |          | Fatigue failure modes and fatigue resistance evaluation for structural system of orthotropic steel bridge deck  
Jun Li                                                       |
| 14:20 – 14:40|                                                   |          | Barkarby Bridge                                                         
Manuel Biedma García                                        |
| 14:40 – 15:00| Norgesporten road bridge, the gateway to Norway Gaute Mo |
| 15:00 – 15:20|                                                   |          | Design of vertically curved members                                      
Bo Dowswell                                                 |
| 13:20 – 15:00| Hall: Zürich 3 Research and innovations            |          | Investigation on stiffened panels subjected to biaxial compression    
Nadine Maier                                                |
| 13:20 – 13:40|                                                   |          | Investigation of displacements function in soil-steel bridge based on strain gauges measurements  
Piotr Tomala                                                 |
| 14:00 – 14:20|                                                   |          | Automation of evaluation of data measured on steel bridges, category detail of welded lamellas  
Stanislav Vejvoda                                          |
| 14:20 – 14:40|                                                   |          | Models of thermal actions for steel and composite bridges based on monitoring  
Jana Markovi                                                |
| 14:40 – 15:00|                                                   |          | The impact of backfill quality on soil-steel composite bridge response under seismic excitation  
Tomasz Małeśka                                             |
| 13:20 – 15:40| Hall: Zürich 4 Bridge monitoring + Historical bridges |          | Structural health monitoring for combined damage states  
Martin Butler                                               |
| 13:20 – 13:40|                                                   |          | Fatigue performance evaluation of steel arch bridge based on experimental tests in the light of increased operating loads  
Mieszko Kuzawa                                              |
| 14:00 – 14:20|                                                   |          | Estimate of the steel bridges fatigue life by application of the fracture mechanics  
Ján Bujáň                                            |
| 14:20 – 14:40|                                                   |          | The residual lifetime of steel bridges under the action of fatigue and corrosion effects  
Pavel Ryšíček                                               |
| 14:40 – 15:00|                                                   |          | Comparison of FEM Analysis And Experimental Investigation for A 168m Long Steel Double Twin Truss Launching Gantry Subjected To Different Load And Support Conditions  
Lazar Georgiev                                             |
| 15:00 – 15:20|                                                   |          | Factors Influencing the Design Life Of Old Steel Bridges  
Nar Ashikin Muhamad Khairussaleh                           |
| 15:20 – 15:40|                                                   |          | Damage or change detection in a small scale model of steel bridge deck under static loading by extensometry  
Sidali Igolui                                               |
| 15:40 – 16:30|                                                   |          | Coffee break                                                           |
| 16:30 – 18:30|                                                   |          | 5th European Steel Bridge Awards Ceremony                              |
| 19:30 – 23:00|                                                   |          | Gala Dinner                                                             |

The program is subject to change.