



**STEEL
BRIDGES**
ISTANBUL 2022
FOR A GREEN PLANET
21 - 22 SEPTEMBER

SYMPOSIUM PROGRAM



STEEL BRIDGES ISTANBUL 2022

10th INTERNATIONAL SYMPOSIUM ON STEEL BRIDGES FOR A GREEN PLANET

21-22 September 2022

Organised by



Co-Organisers



TÜRK YAPISAL ÇELİK DERNEĞİ / TURKISH CONSTRUCTIONAL STEELWORK ASSOCIATION (TUCSA)

Altunizade Mah. Bayramağa Sok. Aksu Apt. No: 14 D:4 Üsküdar 34662 İstanbul/Türkiye
+90 216 474 3135 | tucsa@tucsa.org | www.tucsa.org



STEEL BRIDGES ISTANBUL 2022

20 - 22 SEPTEMBER 2022

Location: İstanbul / TÜRKİYE



10th INTERNATIONAL SYMPOSIUM ON STEEL BRIDGES for A Green Planet

20 September, Tuesday	1915 Çanakkale Bridge Technical Tour (Registration is required)
--------------------------	---

10th International Symposium on Steel Bridges for A Green Planet (SBIS 2022) InterContinental Hotel, İstanbul 21-22 September 2022

21 September, Wednesday		
Time	Title	Speaker
09.00-09.30	Registration	
09.30-10.00	Opening Remarks	H. Yener Gür'eş, President of TUCSA & ECCS Abdulkadir Uraloğlu, General Director of Highways
10.00-10.30	Keynote: 1915 Çanakkale Bridge	Sezgin KÜÇÜKBEKİR, KGM
10.30-11.00	Keynote: Design of 1915 Çanakkale Bridge	Inger Birgitte Kroon, COWI Henrik Polk, COWI
11.00-11.20	Coffee Break	
11.20-13.00	1st Session	Chair Person: Prof. Dr. Nurdan Apaydın, İstanbul University
11.45-12.10	Design Properties and Construction Stages of Kömürhan Cable State Bridge	Yavuzhan Taş , KGM 8th Region, Art Structures Chief Engineer, Elazığ
12.10-12.35	Construction Stages of the Bitlis Viaduck Deck Bridges	Necati Ölmez, KGM11th Region, Art Structures Chief Engineer, Van
12.35-13.00	Restoration of Historical Steel Bridges	Dr. Ayşe Avşın, KGM Historical Bridges Branch Manager
13.00-14.00	Lunch Break	
13.45-15.25	2nd Session	Chair Person: Prof. Dr. Markus Feldmann, RWTH Aachen University
13.45-14.10	Reuse of steel temporary structures for bridge launching in 1915 Canakkale project	Gulio Scotto, <i>Freyssinet International, France</i> Kutay Kutsal, <i>FREYSAŞ, Türkiye</i>
14.10-14.35	Methods for Achieving Sustainability of Industrial Heritage Steel Bridges	Pavel Ryjáček - Vojtěch Stančík - Jakub Vůjtěch - Martin Pospíšil - Jan Kudláček - Miroslav Sýkora, <i>Czech Technical University</i>
14.35-15.00	Weathering Steel Bridges – The New European ECCS Design Guide	Dieter Ungermann - Peter Hatke, <i>Dortmund University</i> Dennis Rademacher, <i>ArcelorMittal</i>
15.00-15.25	High Strength Weathering Steels - Sustainable and Economical Solution for Bridge Constructions	Tobias Lehnert - Jessica Gola - Cecile Merlin - Marc Rixecker, <i>Dillinger</i>
15.25-15.45	Coffee Break	
16.00-17.30	6th European Steel Bridge Awards	
19.30-22.30	Gala Dinner (Registration is required)	

22 Thursday, Thursday		
Time	Title	Speaker
09.00-09.30	Registration	
09.30-10.00	Opening Remarks	H. Yener Gür'eş, President of TUCSA & ECCS
10.00-11.15	3rd Session	Chair Person: Dr. Özgür Köylüoğlu, <i>Yeditepe University</i>
10.00-10.25	Two Short-Span Cable-Stayed Bridges Built Across the Railways	Jan Pozdišek - Vladimír Puda - Gabriel Kirishchyan - Jiří Stráský, <i>Stráský, Hustý a partneři s.r.o</i> <i>Czech Republic</i>
10.25-10.50	Two Pedestrian Bridges with a 'Butterfly' Arrangement of Arches	Jan Pozdišek - Pavel Kaláb - Leonard Šopík - Jiří Stráský, <i>Stráský, Hustý a partneři s.r.o</i>
10.50-11.15	Strengthening of a Composite I-girder Bridge by Trusses Introducing Box-Action	Victor Vestman - Peter Collin - Robert Hällmark, <i>Luleå University of Technology</i>
11.15-11.45	Coffee Break	
11.45-13.00	4th Session	Chair Person: Dr. Almıla Uzel <i>Yeditepe University</i>
11.45-12.10	Asymmetric Suspension Footbridge in the Town Písek, Czechia	Vladimir Janata - Jan Včelák - Jindřich Beran - Dalibor Gregor, <i>EXCON a.s Czech Republic</i>
12.10-12.35	Revisiting the Fatigue Response of Orthotropic Steel Deck Bridges under Cyclic Loads	<i>Havin Arslan - Melike Çınar, BridgeWiz / Alp Caner, Middle East Technical University</i>
12.35-13.00	Modular Composite Bridges with Integral Sheet Piling Abutments for a Time Efficient Construction	Mike Tibolt, <i>ArcelorMittal Steligençe® / Nils Rittich, RWTH Aachen University / Stoyan Ivanov, Schimetta Consult ZT GmbH</i>
13.00-14.10	Lunch Break	
14.10-15.30	5th Session	Chair Person: Doç. Dr. Pavel Ryjáček <i>Czech Technical University</i>
14.10-14.35	New Arch Bridge Over The River Adige Egna (BZ), Italy	Giovanni Costa - Leonardo Balocchi - Enrico Zambella, Steel Project Engineering / Furio Grandelis - Fabio Pancino, Bit Construzioni Metalliche
14.35-15.00	Elastic Critical Buckling Stress of the Equivalent Orthotropic Plate Considering Torsional Stiffness of Trapezoidal Stiffeners	Sara Piculin - Primož Može, <i>University of Ljubljana, Slovenia</i>
15.00-15.25	Sustainability Performance Framework for Bridge Design and Rehabilitation	Özgür Köylüoğlu - Nesrin Yardımcı, <i>Yeditepe University</i>
15.30-16.00	Coffee Break	
16.00-16.30	Keynote: Risk, Resilience and Sustainability of Bridges and Bridge Transportation Networks under Lifetime Hazards	Prof. Dr. Dan M. Frangopol, <i>Lehigh University, USA</i>
16.30-16.30	6th Session	Chair Person: Dr. Özden Saygılı, <i>Yeditepe University</i>
16.30-16.55	MX3D Printed Metal Bridge – Obtaining a Building Permit for a Non-Regulatory Material	Stijn Joosten - Paul von Horn, <i>Arup Netherlands</i>
16.55-17.20	Investigation of Performance Criteria of Zarova Bridge and Box Section Composite Bridges with Seismic Isolators in the Selection of Decks	Selçuk İz - Özgür Köylüoğlu <i>Yeditepe University</i>
17.20-17.45	Simplified Approaches for Material Characterization for an Optimized Lifetime Prediction	Marion Rauch - Rükiye Yıldırım, <i>Hochschule Kaiserslautern - University of Applied Sciences / - Hendrik Bissing - Markus Knobloch, Ruhr-Universität Bochum, Germany</i>
17.45-17.50	Closing Remarks	H. Yener Gür'eş, President of TUCSA & ECCS



**STEEL
BRIDGES
ISTANBUL 2022**

20 - 22 SEPTEMBER 2022

Location: İstanbul / TÜRKİYE



**10th INTERNATIONAL
SYMPOSIUM ON
STEEL BRIDGES
for A Green Planet**

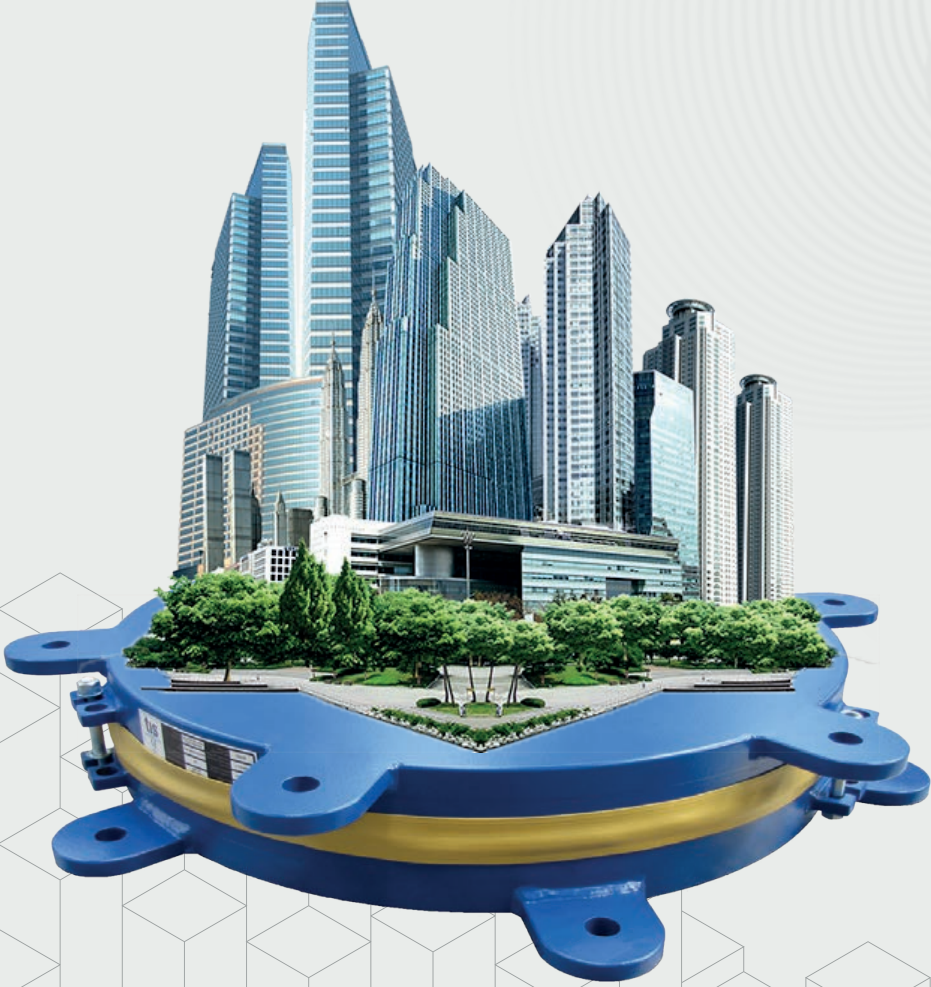
TECHNICAL TOUR & GALA DINNER PROGRAM

1915 Çanakkale Bridge Technical Tour (Registration is required)		
20 September, Tuesday		
Time	Description	Remarks
07.30-19.30	Technical Tour to 1915 Çanakkale Bridge site	Tour Coordinator: Aydın KULAKSIZ
07:30	Departure from InterContinental Hotel by bus	includes about 30 minutes stop during the travel
12:00	Arrival in the Bridge site office	
12:00-12:45	Welcome and briefing about construction of 1915 Çanakkale Bridge	
12:30-13.30	Lunch Break	
13.45	Visiting the bridge and Control Center	
15:30	Departure from 1915 Çanakkale Bridge site by bus	
20:00	Arrival at InterContinental Hotel	includes about 30 minutes stop during the travel

10th International Symposium on Steel Bridges for a Green Planet (SBIS 2022)		
InterContinental Hotel, İstanbul 21-22 September 2022		
21 September, Wednesday		

Gala Dinner (Registration is required)		
18.30	Departure from InterContinental Hotel to Kabataş Pier	by bus
19.00	Departure from Kabataş Pier to Moda Pier	by boat
19.30-20.00	Cocktail	
20.00-22.30	Gala Dinner	
22.30	Departure from Moda Deniz Kulübü to InterContinental Hotel	by bus

Dünyada kullanılan en son teknoloji ve en yeni deprem yalıtımı sistemi!



#HayataBağlar

tis[®]
Teknolojik İzolator Sistemleri

Mim Mühendislik Kuruluşudur

TİS Teknolojik İzolator Sistemleri San. ve Tic. A.Ş
Emirgazi Mah. No:35 Kahramankazan / ANKARA
Tel: 0 (312) 284 09 40 (pbx) Faks: 0 (312) 284 09 51 (fax)

www.tis.com.tr

#ÇeliğınGücü
#PowerOfSteel



ÜSTÜN HİZMET ANLAYIŞIMIZLA FARK YARATIYORUZ!

Deneyim, katılımcı ve teknolojik donanıma sahip, güçlü ekibiyle her geçen gün daha da büyüyen Mim Mühendislik ailesi, gelecek için değer yaratmaya ve ülkemiz ekonomisine tüm varlığıyla destek vermeye devam edecektir.

SPONSORS



An engineering marvel
**A WORLD
RECORD-BREAKER**



1915canakkale.com