

# Footbridge Chur 2025

3rd — 5th september  
program



in situ

# Technical session program

## Wednesday, 3rd september

### **Session 1 | 11:00 – 13:30** **Landscape/Townscape** **Session chair: Jan Biliszczuk**

- 1 Theory of Structure and Public Space |  
Marc Mimram

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- 2 A subtle crossing to the Château de Sully-sur-Loire | Apolline Couret, Joseph Desruelle, Simon Durand, Goulven Le Corre, Yves Pages and Michael Zimmermann

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- 3 Moveable sails for Bilbao | Fernando Sima, Simon Madlener

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- 4 Footbridge over the Foron river: an integral solution in weathering steel to minimize maintenance in a natural environment | Enrique Corres, Albano De Castro E Sousa, Damien Dreier, Luis Borges, Pierre Bonnet and Carlos Gonzalez Arruego

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- 5 Tondo Footbridge | Brecht Van De Velde, Kenny Verbeeck and Klaas De Rycke

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- 6 Les Cèdres footbridge in Chavannes-près-Renens over the Geneva-Lausanne Motorway, Switzerland | Luca Ceriani, Álvaro Serrano Corral, Antonio García and Miguel Fernández Ruiz

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- 7 Generic footbridges in Eupen, Belgium | Vincent Servais and Christophe Peigneux

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- 8 Halo, a new circular footbridge and elevator connection in Vigo, Spain | Miguel Sacristán, Alexandre Mourinho and Jose Carlos Nunes De Oliveira

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- 9 Curved Footbridge in Hvidkilde Lake Denmark | Max Baagøe Rasmussen, Jakob Kinimond Vejvad and Lars Have

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- 10 New Herzogsteg footbridge over the Altmühl, Eichstätt | Josef Taferner and Rudi Moroder

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### **Session 2 | 11:00 – 13:30** **Social meaning of bridges** **Session chair: Antonio Adao da Fonseca**

- 11 Art of Taiwan indigenous peoples: Shanchuan glass suspension bridge in Pingtung | Lin Wei-Cheng, Liu Hsu-Chien and Sakuliu Pavavaljung

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- 12 Modern Footbridges – An Owner's Dream or an Engineer's Nightmare | Jonathan McGormley and Brian Santosuosso

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- 13 Showcasing Whadjuk Noongar culture to the world | Wolfram Schwarz, Risto Kiviluoma and Gerhard du Plessis

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- 14 An inclusive design approach for a bridge that connects buildings with different uses | Ryuichi Watanabe and Laurent Ney

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- 15 Special Pedestrian Areas in Road Bridges: A Review of Past Experiences and Recent Proposals at the CFC Design Firm | Javier Manterola Armisen, Javier Muñoz-Rojas, Pedram Manouchehri, Miguel Angel Gil and Antonio Martínez Cutillas

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- 16 Construction of Trail Bridges on the Nias-Islands, Indonesia | Walter Illi and Andreas Beusch

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- 17 Salmon Weir Pedestrian and Cycle Bridge, Galway. Droichead an Dóchais, Bridge of Hope | Timothy O Sullivan Glynn and Robert Ryan

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- 18 Localizing Trail Bridges: Enhancing Rural Connectivity in Ethiopia | Hunde Tamene Diribsa

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- 19 Fossvogur multipurpose bridge | Kristjan Oskarsson, Magnus Arason, Keith Brownlie and James Marks

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- 20 Bois Canal Footbridge, development of a monolithic UHPFRC structure for an “ordinary” crossing near the Saone River | Thomas Motrieux, Adrien Roibet und Antoine Sintes

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**Keynote 1 (9:30 – 10:00)**

Bridges as part of their surroundings

Tine Holmboe / Jesper Henriksen

**Keynote 2 (10:00 – 10:30)**

The cohabitation of different traffic users |

Bart Halaczek

**Session 1 | 14:30 – 16:30****Peculiar bridges****Session chair: Keith Brownlie**

**21** Lookout at Königsstuhl and „Pier Maritim” in Timmendorfer Strand Remote in the Baltic Sea | Mike Schlaich

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**22** Kangaroo Point Bridge – A Bridge for Brisbane's Future | Thomas Cooper

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**23** Missing Link – The Green Ribbon Footbridge Project at the Train Station in Renens, Switzerland | Gabriele Guscetti, Claudio Pirazzi and Giovanni Bonifetto

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**24** A virtuous timber crossing for the Paris 2024 Olympic Games | Olivier Canat, Goulven Lecorre, Frank Miebach and Yves Pages

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**25** The Annie Vande Wiele bridge in Ghent (Belgium) a site specific hybrid structure | Silke Van Geeteruyen and Thijs Van Roosbroeck

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**26** Enhancing footbridge design with a novel Level of Information Need (LoIN) Framework | Ingrid Valceschini and Davood Liaghat

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**27** Lochnagar pedestrian and cycle bridge in London. A crossing and public space rooted in history | Hector Beade-Pereda and Adrian Ko

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**28** Pedestrian Bridge Selection Client Guide | Jeremy LaHaye and Daniel Fitzwilliam

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**Session 2 | 14:30 – 16:30****Construction to come****Session chair: Catherine Ramsden**

**29** Rope mesh as structural substitute for lightweight footbridge structures – Learnings from case studies | Fabian Graber

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**30** Footbridge design guidance for the railway | Boaz Yariv, Sara Wille-Garvin, Anthony Dewar, Anastasios Papapanagiotou and Frank Anatole

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**31** A Review of Spatial Cable-Stayed Footbridge Design Practice: Examining Past Designs and the New Case of the Santullano Bridge | Javier Muñoz-Rojas, Pedram Manouchehri and Gonzalo Marinas Sanz

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**32** A Ring Beam Cable-Suspension Footbridge : Combining Aesthetics and Stability | Jin Lee, Jinwoo Jeong and Seunghye Lee

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**33** UHPFRC segmental footbridge velodrom in Brno | Jan Novacek, Daniel Hibs and Jiri Strasky

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**34** A620 Foot and Cycle bridge: when aeronautical profiles inspire girder's geometry | Julien Tanant, Serge Saade, Jean-Bernard Datry, Tancrede De Folleville, Enea Latxague and Hector Beade-Perada

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**35** Three Weathering Steel Footbridges | Schaun Valdovinos and Chelene Wong

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**36** Sustainable wooden bridge designed as elevated inner city park – Zwolle train station footbridge | Ronald Rozemeijer and Christa van den Berg

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# Technical session program

## Thursday, 4th september

### Session 1 | 10:30 – 13:00

#### Dealing the past of construction

Session chair: Philippe Menétrey

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- 37** Restoration of the Rochers noirs viaduct | Etienne Combescure, Sixte Doussau and Loriana Pace
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- 38** Maintenance, retrofit, and replacement of pedestrian suspension bridges in Pakistan | Solene Fercocq, Paul Morrison, Anna Morley and Ciara Norris
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- 39** Historical timber bridges in Transylvania – A study of local integration of infrastructure | Razvan Ionica
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- 40** Renovating two footbridges over Ripoll River in Sabadell, Spain | Manuel Reventós Rovira and Jaume Guàrdia Tomàs
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- 41** Upcycling of a railway bridge as a footbridge – A sustainable approach to transform obsolete bridge structures | Gábor Pál, András Kemenczés and Lilla Szilágyi
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- 42** Flood loading on heritage bridges – looking after Low Sizergh Suspension Bridge | David Knight
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- 43** In situ bridge reuse: case study of a Paris 2024 Olympics footbridge | Apolline Couret, Simon Durand, Yves Pagès, Pierre Vasseur and Michael Zimmermann
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- 44** AVA footbridge: design for manufacture and back to structural basics | Clotilde Robin, Eva Macnamara Macnamara, Hazel Needham and Chris Wise
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- 45** The Albi footbridge | Matthieu Mallié and Benoit Mallet
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- 46** Returned to a natural state | Julia Schuler, Daniel Gebreiter
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### Session 2 | 10:30 – 13:00

#### Landscape/Townscape

Session chair: Elsa Caetano

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- 47** Nancy Pauw Footbridge: An 80 m clear span shallow arch in Canada's oldest national park | Gerald Epp, Drew Willms and Chad Boissy
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- 48** Footbridge Riviera in Brno | Jan Novacek, Jiri Fixel, Marek Velesik and Jiri Strasky
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- 49** Lilleakerbyen Bridges: Three complimentary spans | Ian Firth, Ben Addy, Ezra Groskin and Olly Stross
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- 50** Italian Bridge over the River Plessur – Bicycle and Pedestrian Bridge | Daniel Locher
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- 51** New pedestrian and cycle path bridge “Am Priesterseminar” The “Curved band” in Speyer | Gerhard Pahl and Stefan Wilfer
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- 52** This is NOT a Bridge; it is a Stage on a Tripod | Pedro Pablo Arroyo Alba
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- 53** Footbridge over the highway / Ticino River (CH) – Switzerland | Giorgio Masotti and Paolo Giorgi
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- 54** How to build pedestrian footbridges over mountain rivers prone to dynamic flood phenomena | Jan Biliszczyk, Wojciech Lornec, Marco Teichgraeber, Mikołaj Hojnacki, Maksymilian Janicki and Anna Machulska
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- 55** Dukes Meadows Footbridge: A light touch link along the Thames | Ezra Groskin, Ben Addy, Cameron Archer-Jones and Chris Murphy
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- 56** Sustainable Spans – Timber's role in new European pedestrian bridges | Frank Miebach and Lukas Osterloff
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**Keynote 3 (9:00 – 9:30)**

New visions of sustainable design |  
Petr Tej

**Keynote 4 (9:30 – 10:00)**

Shifting values – repair and reuse |  
Werner Lorenz

**Session 1 | 14:00 – 15:00****Construction to come****Session chair: Andrea Bassetti**

- 57** Low-embodied carbon footbridges: An overview from the Net Zero Bridges Group | Brian Duguid, Cameron Archer-Jones, Daniel Green, Chris Hendy, Ciaran Lynn, David Knight and Ian Palmer
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- 58** Of Dykes and Bridges – A tribute to the archetypal Dutch dyke | Joris Smits, Tom de Weijer and Damien Steeman
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- 59** Reuse in footbridge design – challenges and opportunities | Jan Brütting
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- 60** Forest-Sensitive Footbridge Design: Three Recent Projects from Vancouver's North Shore | Jamie McIntyre, Tom Surtees and Jess Opeka
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**Session 2 | 14:00 – 15:00****Landscape/Townscape****Session chair: Maria Kierzek**

- 61** A footbridge over a steep river gorge for the rehabilitation of a city center | Antonio Adao-Da-Fonseca, Renato Bastos and Tiago Alves
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- 62** A new bridge for the historic city centre of Lübeck | Constantin Schäfer and Helge Lezius
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- 63** Transitional bridge with lifting system in Berlin, Plötzensee | Mathias Kutterer and Bastien Damsin
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- 64** Park Union Bridge | Lana Potapova, Matt Carter, Kasian Warenycia, Holly Deichmann and Merica Jesnsen
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# Technical session program

## Friday, 5th september

### Keynote 5 (9:00 – 9:30)

Bridges at remote places | Pieder Hendry

### Session 1 | 10:30 – 13:00

#### Thinking on materials and form

#### Session chair: David Knight

**65** When Theory becomes Form – Moving on from the Modular Man | Catherine Ramsden and Lily Bell

**66** Bedburg Castle Park footbridges, Germany – “Senseful integration” | Nicolas Sterling, Elke Sterling-Presser, Antonio Adao Da Fonseca and Tiago Alves

**67** Hirschenbrücke Altendorf – an ultrathin bridge with UHFB | Tino Rizzi-Hug and Gianfranco Bronzini

**68** The “Punetta” bridge, a light and efficient slow traffic bridge over the Hinterrhein River in Grisons, Switzerland | Gianfranco Bronzini and Martin Deplazes

**69** Rigorous analysis of differential temperature effects in footbridges of complex form | Simon Fryer, Peter Nugent and Koon Lok Nip

**70** Fatigue Loading Analysis of Pedestrian Bridges at High Volume Transportation Hubs | Scott Walbridge and Andrew Park

**71** Bridging Heritage and Nature: The Wooden Bicycle and Pedestrian bridge in Mechelse Heide | Bart Jansen and Nicolas Van Grimberge

**72** Aspects of the Design and Construction of Chilean Footbridges | Matias A. Valenzuela, José Requesens and Marcelo Marquez

**73** Creative solutions for when space is limited or restrictions apply | Thomas Kaasschieter, Winie Dijksterhuis and Christa van den Berg

**74** Two new footbridges in Tokyo: on the relation between form and structure | Thomas Kaasschieter, Winie Dijksterhuis and Christa van den Berg

### Keynote 6 (9:30 – 10:00)

When theory becomes form | Clotilde Robin

### Session 2 | 10:30 – 13:00

#### Peculiar bridges

#### Session chair: Alberto Patron

**75** Footbridge in Vinaroz, Spain | Enrique Goberna and Knut Stockhusen

**76** Footbridge over R1 expressway in Banská Bystrica, Slovakia | Stanislav Brtan, Peter Buček, Tomáš Foltýn and Tomáš Kulhavý

**77** Bridging the Unsurmountable in Uganda | Michael Roberts

**78** Zoutkamp; Zero tolerance for add-on bicycle bridge | Jurriaan Hillerström, Vyasa Koe and Michel Schreinemachers

**79** Long-span low-carbon footbridge over the railway in Creil – A landscaped walkway in the city | Claude Le Quere, Abdeljalil Froune, Gaël Desveaux, Emmanuelle Frege Adam and Louise Valet

**80** Footbridge Padre Anchieta. La Laguna. Spain | Jose Romo

**81** Load models and comfort limits for lightweight footbridges | Elsa Caetano

**82** Williams Crossing in Tulsa, Oklahoma | Stephan Hollinger, Sebastian Linden

**83** Footbridge over railway station in Cheb | Jan Novacek, Jiri Strasky, Pavel Kolencik and Jiri Urban

**84** Overcoming Elevation The Spatial Challenges of Footbridge Design | Toon Maas, Bart Bols and Laurent Ney





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