

International Association for Bridge and Structural Engineering

Young Engineers Colloquium 2020 - YEC2020

PROGRAM

Belgian, French and Dutch National Groups of IABSE

13 and 14 March 2020 at Factory Forty, Brussels, Belgium

PROGRAM – Friday 12 March – Presentations

10.00 Opening session – chairs: Bart De Pauw (TUC Rail) & Bert Snijder (TUE)

- Alain Dumortier (Bureau Greisch), Chair of the Belgian National Group of IABSE
- Bert Hesselink (Movares), Chair of the Dutch National Group of IABSE
- Bruno Goddard (IFSTTAR), Chair of the French National Group of IABSE

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- Keynote lecture
Laurent Ney (Ney & Partners)

10.50 Break (coffee & tea)

11.10 Oral session 1 - chairs: IABSE-B & IABSE-F

- Sokchamroeun, Tim (CTICM): Thionville footbridge - a slender arch-like frame footbridge
- Binet, Nicolas (Greisch): Renovation of the Monsin Dam – Floodgates
- Kashif, Muhammed (UGent): Numerical simulation of horizontal cracking in continuously reinforced concrete pavements
- Heremans, Julien (University of Liège): Quality assessment of synthetic wind turbulence
- Van der Gaag, Bart Jan (Royal Haskoning DHV): Structural bridge design for additive manufacturing

12:10 Poster session 1 - elevator pitches of posters

12.40 Break (lunch)

13:40 Oral Session 2 - chairs: IABSE-NL & IABSE-B

- Peigneux, Christophe (Servais Engineering Architectural): Small footbridges: 2 contexts, 2 responses with contemporary materials
- Lefère, Charline (Ney & Partners): Gare Maritime
- Dinh-Kien, Dang (CTICM): Suspension footbridge at Amiens
- Cerquaglia, Marco Lucio (BESIX): A general framework for the numerical simulation of fluid-structure interaction problems in civil engineering
- Nosiglia, Luis (Greisch): Silver Tower (Brussels)

14.40 Poster session 2 – elevator pitches of posters

15.10 Break (coffee & tea)



15.30 Oral session 3 – chairs: IABSE-F & IABSE-NL

- Outteryck, Christophe (Egis): Reunion Island's New Coastal Road: a Viaduct beating the record for the longest viaduct of France and resisting to cyclones.
- Harrewijn, Thomas (TUDelft): Reverse Engineering of existing reinforced concrete slab bridges
- Rius, Lars & Janssens, Selim (UGent): Short Term Monitoring Verification with Numerical Model of Orthotropic Steel Deck
- Innocenzi, Raoula (Università Politecnica delle Marche in Italy): Static and dynamic testing of the 'Filomena delli castelli' cable-stayed bridge
- Bols, Bart (Ney & Partners): Tintagel footbridge

16.30 Poster session 3 - elevator pitches of posters

17.00 Closing session – chairs: Bart De Pauw (TUC Rail) & Bert Snijder (TUE)

- Hans De Backer (UGent): IABSE Congress Ghent 2021
- Closing words

17.30 Transfer to city center

19.30 Colloquium dinner – Falstaff Restaurant, Brussels



22.30 End of day 1



PROGRAM - Saturday 14 March – Technical Excursion

9u30 Start of the site visit to the Silver Tower

9u30 - 10u30 Project presentation (Greisch, CTI-Blaton)

10u30 - 12u30 Walkaround on the site

12u30 Sandwich lunch



IABSE



TOGETHER WE CREATE SPACE



Poster sessions

All posters are on show during the whole 1st day till 17.00 hrs. All posters will also be presented by 'elevator pitches' (4 min. each).

Poster session 1:

- Fang, Heng (UGent): Finite element modeling of rib-to-crossbeam joint in orthotropic steel decks
- Gerard, Nick (TUC rail): Influence of the bearing lay-out on rail stresses
- Vanhaele, David (Greisch): Non-linear analysis of a ship guide rail – “Pont des trous” protection, Tournai, BE
- Cormond, Joran (Ney & Partners): Exterior playground for the Melopee school in Ghent
- Horsten, Huub (Jan De Nul NV): Construction of a skew trough bridge

Poster session 2:

- Van Staen, Gilles (UGent): Determining imperfection shapes by experimental test results for plate assemblies with cross-sectional curved webs
- Zaganelli, Dario (CTICM): Partially connected composite beams with façade offsetting in existing buildings
- Ravetti, Claire (Arcadis): A non-conventional structure for a new bridge in Paris
- Van Hoorde, Maurits (Franki Construct NV): Passerelle Schijnpoortweg: an isostatic steel pedestrian bridge
- Turetta, Maxime (Greisch): Experimental Study on an Innovative U-Shaped Steel-Concrete Composite Beam

Poster session 3:

- Chen, Chen (UGent): Simulation studies on the influence of diaphragm type on T-girder strengthening
- de Jong, Sebas (Royal Haskoning DHV): Influence of various boundary conditions on local buckling of steel tubular piles
- Muret, Julien (Greisch): Determining settlements caused by deep urban excavations
- Wan-Wendner, Lin (BESIX): 4D Design of a Prestressed Concrete Bridge
- Iqbal, Nouman (UGent): A numerical study of Structural stress evaluation methods
- Ferradi, Mohammed-Khalil (Strains Engineering): Convex SDP optimization for limit analysis of reinforced concrete structures

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