



INTERNATIONAL INSTITUTE OF WELDING

A world of joining experience

XV-1618r2-2021

Commission XV

DESIGN, ANALYSIS AND FABRICATION
OF WELDED STRUCTURES

C-XV Meeting, IIW on-line Annual Assembly

XV-1618r2-2021 **DRAFT** Agenda

12-13 July, 2021



INTERNATIONAL INSTITUTE OF WELDING

A world of joining experience

XV-1618r2-2021

C-XV – DESIGN, ANALYSIS AND FABRICATION OF WELDED STRUCTURES

Chair: Dr. Stefano Botta (Italy)

Vice Chair: Dr. Jean Gerald (France)

Vice Chair: Prof. Dr. Károly Jármai, (Hungary)

XV-A: Analysis

Chair: Prof. Kyong Ho Chang (Republic of Korea)

XV-B: Design

Chair: (*currently no Chair*)

XV-C: Fabrication

Chair: Dr. Robert Shaw

XV-D: Planar Structures

Chair: Dr. Koji Azuma (Japan)

XV-E: Tubular Structures

Co-Chair: Jeffrey Packer (Canada)

Co-Chair: Jaap Wardenier (Netherlands)

XV-F: Economy

Chair: Prof. Dr. Karoly Jarmai (Hungary)

JWG XIII-XV: Fatigue Design Rules

Chair: Prof. Dr.-Ing. Adolf Hobbacher (Germany)



Time: CEST

12 July 2021 Ę Day One

13:00 - 13:20 - **Welcome Address** (S. Botta, C-XV Chair, Italian Institute of Welding, ITALY)
- **Approval of Agenda (XV-1618r2-2021)**
- **Minute of Online 2020 C-XV Meeting (XV-1617-2020)**

SESSION 1: ADMINISTRATIVE MATTERS

13:20 - 13:30 - XV-1625-2021 Ę **Annual Report 2021 of IIW Sub-commission XV-A Ę Analysis** (Kyong Ho CHANG)
13:30 - 13:40 - XV-1626-2021 Ę **Annual Report 2021 of IIW Sub-commission XV-C Ę Fabrication** (Robert SHAW)
13:40 - 13:50 - XV-1627-2021 Ę **Annual Report 2021 of IIW Sub-commission XV-D Ę Planar Structures** (Koji AZUMA)
13:50 - 14:00 - XV-1624-2021 Ę **Annual Report 2021 of IIW Sub-commission XV-E Ę Tubular Structures** (Jeffrey PACKER / Jaap WARDENIER)
14:00 - 14:10 - XV-1628-2021 Ę **Annual Report 2021 of IIW Sub-commission XV-F Ę Economy** (Karoly JARMAI)
14:10 - 14:20 - XV-1629-2021 Ę **Annual Report 2021 of JWG XIII-XV** (Adolf HOBACHER)

14:20 - 14:40 Break

SESSION 2: TECHNICAL PRESENTATIONS

14:40 - 15:00 - XV-1621-2021 Ę **An Investigation on Laser-arc Hybrid Welding of One-pass Full-Penetration Butt-joints for Steel Bridge Members** (M. HIROHATA, G. CHEN, K. ORIOKA, K. HYOMA, N. MATSUMOTO, K. INOSE)

15:00 - 15:20 - XV-1620-2021 Ę **Studies on Expansion of Laser-Arc Hybrid Welding to Horizontal and Vertical-Up Welding** (T. UEMURA, K. GOTOH, I. UCHINO)

15:20 - 15:40 - XV-1619-2021 Ę **Optimization of welding conditions for hot-wire CO₂ arc welding on heavy-thick butt-joint** (N. SUWANNATEE, S. WONTHAISONG, S. SHINOHARA, R. PHAONIAM, M. YAMAMOTO)

15:40 Ę 16:00 - Day One Closing Remarks



Time: CEST

13 July 2021 Æ Day Two

13:00 - 13:10 - **Welcome Address** (S. Botta, C-XV Chair, Italian Institute of Welding, ITALY)

SESSION 2: TECHNICAL PRESENTATIONS (CONT.)

13:10 - 13:30 - XV-1622-2021 Æ **Improvement of weld details to avoid brittle fracture initiating at the toes of weld access hole of the beam end** (K. AZUMA, T. IWASHITA, T. ITATANI)

13:30 - 13:50 - XV-1623-2021 Æ **Global and local cost calculation of welded structures** (K. JARMAI)

13:50 - 14:10 - XV-1631-2021 Æ **Overview on the digitized production of welded steel structures** (T. SKRIKO, A. AHOLA, T. BJÖRK)

14:10 - 14:30 - XV-1632-2021 Æ **Verification of the effect of stiffener to prevent fatigue cracking in KT-Type pipe joint by fatigue FE-Analysis** (S. MUZZAFER, K. CHANG, Z. WANG, S. KANG)

SESSION 3: C-XV BUSINESS

14:30 Æ 14:40 - XV-1630-2021 Æ **Report on Guerrera Prize 2022** - (Robert SHAW)

14:40 Æ 14:50 - **Online visit from the WitW Editors and the IIW Secretariat**

14:50 Æ 14:55 - **Procedure for the election/confirmation of the C-XV Chair**

SESSION 4: CLOSING REMARKS

- Review of Recommendations
- Review of Resolutions
- Any other business