



C-XV Design, Analysis, and Fabrication of Welded Structures

Agenda for the 2025 Annual Assembly

XV-1703-2025

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Comments:

The meeting is scheduled to take place during the 78th IIW Annual Assembly, which will be held from 22 to 27 June 2025 in Genoa, Italy.

Sessions:

- 1 23 June 2025** — *Venue:* Room Zefiro(08:30AM - 12:30PM)
- 2 24 June 2025** — *Venue:* Room Ex-Novo(08:30AM - 12:30PM)

1. Agenda for the AA Meeting

Time	Agenda Item	Doc	Responsibility	Action
23/JUN 08:30	1 Welcome Address & Introduction			
08:35	1.1 Member introductions, apologies, guests		Members	information
08:40	1.2 Approval of the Agenda	XV-1704-2025	Prof. Kyong-Ho Chang	Motion Required
08:50	1.3 Approval of the minutes from the intermediate meetings	XV-1703-2025	Prof. Kyong-Ho Chang	Motion Required
08:55	2 SESSION 1: Administrative matters			
	2.1 Annual Report 2025 of SC-A (Analysis)	XV-1705-2025	Prof. Kyong-Ho Chang	Presentation and Discussion
	2.2 Annual Report 2025 of SC-C (Fabrication)	XV-1706-2025	Dr. Samuel Chance	
	2.3 Annual Report 2025 of SC-D (Planar Structures)	XV-1707-2025	Prof. Koji Azuma	
	2.4 Annual Report 2025 of SC-E (Tubular Structures)	XV-1708-2025	Prof. Tak-Ming Chan	
	2.5 Annual Report 2025 of SC-F (Economy)	XV-1709-2025	Prof. Karoly Jarmai	
	2.6 Annual Report 2025 of JWG XIII-XV	XV-1710-2025	Dr. Adolf HOBBACHER	
09:30	Break Time			Information Q&A

09:40	3 SESSION 2: TECHNICAL PRESENTATION			
09:40 - 10:00	3.3 Connection between the matching phenomenon and high cycle fatigue behavior of high strength structural steel welded joints (J. Lukács ¹ , J. Kovács ¹ , ¹ Institute of Materials Science and Technology, Faculty of Mechanical Engineering and Informatics, University of Miskolc)	XV-1711-2025	Prof. Janos Lukács (janos.lukacs@uni-miskolc.hu)	Presentation Q&A
10:00 - 10:20	3.2 Fatigue Life Improvement of Fillet Welded Joints by Friction Stir Processing (TANG Yongshi ¹ , JIANG Feng ¹ , NAKASE Haruka ¹ , HIROHATA Mikihiro ¹ , *, MORISADA Yoshiaki ² , MUKUDA Muneaki ² , FUJII Hidetoshi ² , ¹ Graduate School of Engineering, The University of Osaka, Japan ² Joining and Welding Research Institute, The University of Osaka, Japan)	XV-1712-2025	Prof. JIANG Feng (fiang@civil.eng.osaka-u.ac.jp)	
10:20 - 10:40	3.1 Effect of weld penetration depth on fatigue life of U-rib stiffener (Roque Eguillos ¹ , Kyong-Ho Chang ^{2*} , Mikihiro Hirohata ³ , Gyubaek An ⁴ ^{1,2*} Department of Civil, Environmental & Plant Engineering, Chung-Ang University, Korea, ³ Department of Civil Engineering, School of Engineering, Osaka University, Japan ⁴ Naval Architecture & Ocean Engineering Chosun university, Korea)	XV-1713-2025	Prof. Kyong-Ho Chang (changkor@cau.ac.kr)	
10:40 - 11:00	3.4 Design, manufacturing and fatigue performance of directed energy deposited beam-to-column connection for marine applications, (Kalle Lipiäinen ¹ , Hannu Lund ² , Sakari Penttilä ² , Tomi Suikkari ² , Juha Peippo ³ , Juuso Raitila ³ , Antti Ahola ¹ , Tuomas Skriko ¹ , ¹ Steel Structures, Lappeenranta-Lahti University of Technology LUT, Finland, ² Welding Technology, Lappeenranta-Lahti University of Technology LUT, Finland, ³ Rauma Marine Construction, Finland)	XV-1714-2025	Prof. Kalle Lipiäinen (kalle.lipiainen@lut.fi)	
11:00 - 11:20	3.5 Induction Heating Straightening and Thermal Deformation of Shipbuilding Materials (Byungjoo Kim, Research Institute of Medium & Small Shipbuilding(RIMS),Korea)	XV-1715-2025	Dr. Byungjoo Kim (bjkim@rims.re.kr)	
	Adjournment for the Day			

24/JUN	3. Opening of Session			
08:30	3. SESSION 2: TECHNICAL PRESENTATION			
08:30 - 08:50	3.7 High-magnification In-situ Observation of Welding Solidification Phenomena in Various Stainless Steels, (Mr. Shaowei Yang*, Dr. Kenji Shinozaki*, Dr. Keita Marumoto*, Dr. Motomichi Yamamoto*, Graduate School of Advanced Science and Engineering, Hiroshima University, Japan)	XV-1717-2025	Dr. Tamaki Ito* (d236925@hiroshima-u.ac.jp)	Presentation Q&A
08:50 - 09:10	3.8 WELDIA : a collaborative project to weld right the first time (Dr.Josselin Delmas Laboratoire de Soudage et de Fabrication Additive, EDF (Electricité de France))	XV-1718-2025	P.M.Dr.Josselin Delmas (josselin.delmas@edf.fr)	
09:10 - 09:30	3.9 Improvement of Weld Details to Avoid Brittle Fracture Initiating at the Toes of Weld Access Hole of the Beam End - Part III. Applicability of improved details to full-scale beam-to-column connections (K. Azuma ^{1,a} , T. Akahoshi ^{1,b} , M. Nikaido ^{2,c} , T. Itatani ^{3,d} , T. Iwashita ^{4,e} ¹ Sojo University, ² Nippon Steel Corporation, ³ Nagai Steel Works, ⁴ National Institute of Technology, Ariake College, Japan)	XV-1719-2025	Prof. Koji AZUMA (azuma@arch.sojo-u.ac.jp)	
09:30 - 09:50	3.11 Application of AI in the design of welded structures (Prof. Dr. Karoly Jarmai, University of Miskolc, Hungary)	XV-1721-2025	Prof. Dr. Karoly Jarmai (karoly.jarmai@uni-miskolc.hu)	
10:00 - 10:15	Administrative Tasks 3.10 WitW annual report		Dr. -Ing. Majid Farajian (Farajian@slv- duisburg.de)	
10:20 - 10:40	3.12 Correlation between weld geometry distributions and fatigue life based on scanned weld data from different welding methods (Martin Melucci ¹ , Sulaiman Shojai ¹ , Mahamudul Hasan Tanvir ¹ , Moritz Braun ² 1. German Aerospace Center (DLR), Institute of Maritime Energy Systems, Germany 2. Institute for Ship Structural Design and Analysis, Hamburg University of Technology, Germany)	XV-1720-2025	Dr. Martin Melucci ¹ (martin.melucci@dlr.de)	

10:40 - 11:00	3.13 Development of visualization system utilizing image processing techniques for welders <i>(Nguyen Huong Huu*, Liu Guoliang*, Kazuki Miyamura*, Keita Marumoto*, Motomichi Yamamoto* Takahito Nakamura**, Taizo Kobashi**, Toshiaki Okabe**, Hiroyuki Takeda*, *Graduate School of Advanced Science and Engineering, Hiroshima University, Japan, ** KOBELCO WELDING TechnoSolutions Co., Ltd., Japan)</i>	XV-1722-2025	Dr. Nguyen Huong Huu (d235101@hiroshima-u.ac.jp)	
11.00	4 SESSION 3: BUSINESS			
	4.1 Recommendation of papers for submission to WITW(decided by a vote of the delegates) 4.2 The election for a new vice chair 4.3 The election for a new chair of Sub-commission XV-B 4.4 The election for a new chair of Sub-commission XV-G, (AI4WeldedStructures) 4.5 AOB			Motion Required Discussion
11.30	Next meetings & Open Discussion (Winter Intermediate Meetings, IIW, hybrid, Monday, JAN 23, 2026)			Information
11.40	Closing Comments			
12:00	Adjournment of the Meeting of Commission XV			information

2. Members' List

First name	Last name	Role(Delegate(YES)/ S-C-Chair	IIW user/e-mail	Country	Signature
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