

Report from Commissions X and XV

I participated as the Swedish delegate in Commission X (C-X) and Commission XV (C-XV) during the 79th IIW Annual Assembly, held from 12 to 17 July 2026 in Salzburg, Austria.

C-X covers various topics related to the Structural Performances of Welded Joints - Fracture Avoidance. According to the schedule, C-X meetings were scheduled from 13 July to 15 July. The commission covers a wide range of topics including welding residual stresses and distortion, fitness-for-service assessment procedures, fracture toughness testing of welds, properties of additively manufactured (AM) components, and structural integrity under hydrogen and cryogenic environments. The meeting proceeded with a series of technical presentations, featuring recent research and technological developments from researchers and experts across academia and industry. The sessions also included the selection and recommendation of papers for submission to Welding in the World (WITW).

Commission XV brings together expertise from multiple disciplines related to the Design, Analysis, and Fabrication of Welded Structures. The meetings of C-XV were held from 13 to 15 July 2026. The sessions began with presentations of annual reports from several sub-commissions, covering topics such as analysis, fabrication, Planar Structures, Tubular Structures, Economy, AI for Welded Structures and related areas. This was followed by a series of technical presentations, during which researchers and experts from various universities and industrial organizations presented their latest research and technical developments. The sessions also included the selection and recommendation of papers for submission to WITW.

I am deeply honored to receive the Henry Granjon Award in Category C: Design and Structural Integrity, in recognition of the research paper: "Exploring Size Effects in the Fatigue Behaviour of Lightweight Welded Structures". I presented this work at Commission XIII (C-XIII).

On 15 July, a joint meeting of Commissions C-X, C-XIII, and C-XV was held, providing an opportunity to discuss matters of common interest across the commissions.

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