C-VIII Health, Safety & Environment

Agenda C-VIII Annual Assembly Meeting
Date: 13-16 July, 2026

Location:
Salzburg Congress
Auerspergstraße 6
5020 Salzburg, Austria
Room: Mozart 2 - Monday, Tuesday, Wednesday
Room: Paracelsus -Thursday (Joint C-IV and C-VIII)

Document Number: VIII-2403-2026
Chair: David A. Werba

Date	Start Time	Agenda Item	Responsibility	Document(s)
Mon. July 13	10:00	**1. Day 1 Opening/Administrative Items**		
		1.1 Welcome by Chair	D. Werba	
		1.2 Welcome by IIW Secretariat		
		1.3 Roll Call of Delegates and Introductions: -Employer, position with employer, and interest in C-VIII -Any pertinent information to share with Commission	All	
		1.4 Antitrust	D. Werba	WG-TCOM-0072-2025
		1.5 Code of Conduct	D. Werba	WG-TCOM-0030-2023
		1.6 Confidentiality	D. Werba	WG-TCOM-0272-2025
		1.7 Approval of the Agenda	D. Werba	VIII-2403-2026
		1.8 Approval of Annual Assembly Minutes (23-25 June, 2025, Genoa, Italy)	D. Werba	VIII-2402-2025
	10:25	Welding in the World	N. Enzinger	
	10:40	**2.0 National Reports**	Delegate or Designate	
		8.1 Australia	B. Cannon	
		8.2 Austria	H. Langeder	
		8.3 Belgium	S. Verpaele	

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Mon. July 13		8.4 Canada	D. Luciani	
		8.5 Finland	T. Johnsson	
		8.6 Germany	S. Weidhass	
		8.7 Hungary	C. Kővágó	
		8.8 India	R. Bose	
		8.9 Italy	S. Pinca	
		8.10 Japan	S. Yamane	
		8.11 People's Republic of China	Y. Shi	
		8.12 Poland	J. Matusiak	
		8.13 Republic of Korea	C. Ji	
		8.14 Slovakia	P. Radič	
		8.15 Sweden	T. Dahlstrom	
		8.16 Switzerland	C. Bosshard	
		8.17 Turkey	Y. Yücel	
		8.18 The Netherlands	V. van der Mee	
		8.19 United States	D. Werba	
		8.20 Others		
	12:30	**Day 1 Adjournment**		

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Tues. July 14	9:00	**2. Day 2 Welcome**	D. Werba	
		3. Technical Papers		
	9:00	3.1 *Welding in steel construction - Guidance for occupational medicine physicians / factory doctors*	Wolfgang Zschiesche	VIII-2412-2026
	9:30	3.2 *Relationship Between Ozone Concentration and Welding Fume in Gas Metal Arc Welding*	Hideki Ihara Yuxiong Xia	VIII-2407-2026
	10:00	**Break**	**All**	
	10:30	3.3 *Low-Mn emission seamless cored wires for carbon steel welding: Characterization of Fume Components and Effect on Toxicity*	Elin M. Westin	VIII-2404-2026
	11:00	3.4 *Influence of Pulsing Current on Emissions during Wire Arc Additive Manufacturing of Aluminium Alloy Cylindrical Components*	R Sudalaimani, G Satheesh Kumar, Sudarsenan Malarvizhi	VIII-2405-2026
	11:30	3.5 *Investigation of welding fume emission from gas metal arc welding of structural steels with variation of filler wire, shielding gas and base metal*	Mirco Olesch, Max Mierzwa, Rahul Sharma	VIII-2406-2026

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Tues. July 14	12:00	3.6 *Characterization of welding fumes for different metal transfer modes in GMAW process*	Ivan Pigozzo, Kerry Chen, Pooja Saini, Franklin Wang, Jason Olfert, Patricio Fernando Mendez, Daniele Donato Geniale Calista, Samantha Nicole Skiba	VIII-2409-2026
	12:30	**Adjournment Day 2**		

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Wed. July 15	9:00	**Day 3 Welcome-Room: Mozart 2**	D. Werba	
		4. Technical Papers		
	9:00	4.1 *Experimental Evaluation of a Low-Cost IoT-Based Air Quality Monitoring System in a Welding Laboratory*	Csaba Kővágó	VIII-2408-2026
	9:30	4.2 *Interlaboratory Evaluation of Welding Fume Emission Determination: A Round-Robin Study*	Judith Schenk, Kevin Hoefer, Mirco Olesc, Tim Ungethüm, Elin M. Westin, Rahul Sharma, Jonas Hensel	VIII-2410-2026
	10:00	**Break**	All	
	10:30	4.3 *Impact of various STOP measures on welding fume workplace exposure: A quantitative, predictive approach*	Gerhard Posch, Guido Reuter, Armin Bruderhofer	VIII-2414-2026
	11:00	4.4 *Concurrent Reduction of Fume and Hexavalent Chromium Reduction from Stainless Steel SMAW Welding*	Rahul Madhusoodanan Pillai	VIII-2411-2026

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Wed. July 15	11:00	4.5 *Welding Fume Exposure and Biomonitoring of Metals and Inflammatory Markers in Blood and Exhaled Breath Condensate Among Professional Welders in Canada*	Bernadette Quemerais, Parisa Mahdavi, Zaher Hashisho, Mozhgan Khaligh, Catharina Veldman Maximilien Debia, Hélène Talarmin, David Lucas, Adeline Tarantini	VIII-2413-2026
	12:30	**Day 3 Adjournment**		

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Thur. July 16	8:30	**Day 4 Welcome-Room: Paracelsus**		
		5. Joint Meeting (C-IV and C-VIII) Handheld Laser Welding		
	8:30	5.1 *Recent developments in handheld laser beam welding*	Simon Jahn	VIII-2415-2026
	8:50	5.2 *Advancements in handheld laser welding (HLBW) for multi-pass butt joint applications*	J. Eduardo Alvarez Rocha, Ivan O. Pigozzo, Doug J. Hamre, Felipe Castro Cerda, Patricio F. Mendez	VIII-2416-2026
	9:10	5.3 *Handheld laser beam welding (HLBW) characterization: caustic profiling and power metering*	Ivan Pigozzo, Jose Eduardo Alvarez-Roch,a Nitheesh Kumar Ramasamy, Doulgas J. Hamre, Mitchell R. Grams, Patricio Fernando Mendez	VIII-2417-2026
	9:30	5.4 *Safe Operation of Handheld Laser Welding Machines Daisuke Kondo*	Daisuke Kondo	VIII-2418-2026

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Thur. July 16	9:50	5.5 *Influence of oxygen and sulfur concentration on surface tension of the melt pool and spatter formation in full penetration laser welding*	Niclas Hober, Christoph Baumer, Christian Diegel, Leander Schmidt, Jean Pierre Bergmann	VIII-2419-2026
	10:10	**Break**	All	
	10:30	5.6 *Edge-Directed vs. Contact-Driven Joining: A Study of Blue Laser Welded Cu-Al Dissimilar Joining Made with Bend, Lap, and Fillet Configurations*	Mounarik Mondal, Nikhil Kumar, Masilamani Chelladurai Asirvatham, Anand Mohan, James D. McLaggan, Tanveerkhan S. Pathan	VIII-2420-2026
	10:50	5.7 *Pulsed Laser Welding of 1J22/3J01 Dissimilar Alloys: Hot Cracking Mechanism and Suppression via Laser Preheating*	Jiacai Wang, Hanlin Guo, Li Fu	VIII-2421-2026

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Thur. July 16	11:10	5.8 *Investigation of Phenomena and the Effects of Process Parameters on High-Strength Aluminum Alloys in Wire Laser Additive Manufacturing Using Cold-Wire and Hot-Wire Methods*	Pinmanee Pinmanee, Kumi Kodama, Keita Marumoto, Motomichi Yamamoto, Daiji Morita, Yasutomo Tanihara	VIII-2422-2026
	11:30	5.9 *Microstructural Evolution and Mechanical Performance of Laser Beam Welded Aluminum Alloy Butt Joints*	Mungu Kang, Taeseoung Lim	VIII-2423-2026
	11:50	5.10 *Dual-ring spiral laser scanning for welding LPBF Ti600 lattice nodes: Trajectory-governed melt-pool dynamics and thermal regulation*	Cheng Liu, Ming Lou, Yunwu Ma, Yongbing Li	VIII-2424-2026
	12:10	5.11 *Comprehensive Investigation of Electron Beam Welding of Inconel–Copper Dissimilar Metals*	Raghawendra Pratap Singh Sisodia, Piotr Sliwinski, Dániel Koncz-Horváth, Marcell Gáspár, Manoj kumar Pal	VIII-2425-2026
	12:30	**Day 4 Adjournment**		