

**IAPWS Physical Chemistry of Aqueous Systems (PCAS) Working Group
Draft Agenda
Bristol, England June 28 – July 3, 2026**

Sunday 28 June	6:00 pm – 8:00 pm	Welcome Reception and Registration at Bristol Hotel
Monday 29 June	9:00 am	Executive Committee - Opening Plenary Session
	10:15 am	Coffee / Tea Break
	10:30 am	PCAS Separate Meeting
		(1) Adoption of agenda
		(2) Appointment of clerk of minutes
		(3) Approval of minutes from the 2025 meeting
		(4) Progress reports on PCAS-related activities (by all group members)
		(5) Possibility of ICRNs
		(6) International collaboration
		(7) Discussion of future activities of PCAS
		(8) Discussion of the possibility of releases and guidelines
	12:00	Lunch
	1:30 pm	PCC/PCAS Joint WG Meeting
		(9) Prediction of the Solubility of Iron Oxides in Wide Temperature Ranges: Thermodynamic Foundation for Understanding Flow-Accelerated Corrosion (P. Wang, M.B. Hariri, J. Kosinski, B. Perdicakis and <u>A. Anderko</u>)
		(10) Investigation of Flow-Accelerated Corrosion Mitigation by Film-Forming Amines in a High-Temperature and High-Pressure Loop (Update of the International Collaboration on FFA; <u>M. Jobe</u> , K. Yoshida, S. Weerakul, Y. Tai, and W. Cook)
		(11) Understanding how molecules interact with surfaces and water: From thermodynamic principles to data analysis (S. Shimizu)
		(12) (a) Examining how solution chemistry impacts aggregation tendencies of corrosion products for nuclear power generation systems; (b) Quantitative evaluation of oxide deposit growth in carbon steel tubes exposed to salt brines using X-ray computed tomography; (c) Automated detection and quantification of localized corrosion in steel using X-ray computed tomography data (D. Hall)
		(13) NMR Analysis of Supercritical Water Reaction of 1-Butanol as a Model Intermediate Product for Decomposition of Film Forming Amines (<u>K. Yoshida</u> , A. Doi, Y. Yamaguchi, and T. Hirano)

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	3:00 pm	Coffee / Tea Break
	3:30 pm	PCC/PCAS Joint WG Meeting – continued
Tuesday 30 June	9:00 am	TPWS/PCAS Joint WG Meeting
		(14) Decluttering isotherms: Reconceptualizing solvation, sorption, and surface tension via statistical thermodynamic fluctuation theory (S. Shimizu)
		(15) Surface tension of binary aqueous mixtures with salts at low temperatures (M. Součková, M. Čenský, A. Blahut, O. Prokopová, <u>J. Hrubý</u> , V. Vinš)
	10:15 am	Coffee / Tea Break
	10:30 am	TPWS/PCAS Joint WG Meeting – continued
	12:00	Lunch
	1:30 pm – 4:00 pm	IAPWS Technical Visit (Hinkley Point C)
Wednes. 1 July	9:00 am – 4:00 pm	IAPWS Symposium
	7:00 pm	IAPWS Dinner/Banquet
Thursday 2 July	9:00 am	PCAS Separate Meeting – continued
		(16) PCAS membership
		(17) Planning activities for 2026/2027
		(18) Preparation of report for Executive Meeting
	10:15 am	Coffee / Tea Break
	10:30 am	PCAS Separate Meeting – continued
	12:00 pm	Lunch
	1:30 pm	PCAS Separate Meeting – continued
	3:00 pm	Coffee / Tea Break
	3:30 pm	PCAS Separate Meeting – continued

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Friday 3 July 9:00 am Executive Committee Meeting (9:00 am – 1:00 pm)

March, 31 2026
K. Yoshida (Chair)