

**AGENDA for the EXECUTIVE COMMITTEE of IAPWS
Banff, Canada. 29th September – 4th October 2019**

Monday, 30th September 2019. Opening Plenary Session (9:00 – 10:15 am)

- Opening Remarks, Welcome and Introductions by IAPWS President J. Hruby
1. Adoption of Agenda
 2. IAPWS Business and Appointment of Committees
 - 2.1 IAPWS Business since Last EC Meeting in Prague, September 2018
 - 2.2 IAPWS Highlights / Press Release
 - 2.3 Evaluation Committee on International Collaboration
 - 2.4 IAPWS Awards for 2020 (Honorary Fellow, Helmholtz)
 - 2.5 Reports on 17th ICPWS and Host Country for 18th ICPWS
Report by Chairman Friend on Format for Future ICPWS
 - 2.6 Other business requiring special/extensive discussions
 3. EC Mandate to Working Groups and Membership
 - 3.1 Releases, Guidelines and ICRNs
 4. Preview of Week's WG Activities by WG Chairmen

Friday, 4th October 2019. Executive Committee Meeting. (9:00am – 1:00 pm)

5. Acceptance of Minutes of Previous Meeting
6. President's Report
7. Report and Recommendations of Joint TPWS, IRS and the Sub-Committee on Seawater
8. Report and Recommendations of Separate IRS Meetings
9. Report and Recommendations of Separate Sub-committee on Seawater Meetings
10. Report and Recommendations of PCAS
11. Report and Recommendations of PCC
12. Editorial Committee Report
13. Membership and Associates
 - 13.1 Application of India for Associate Member
 - 13.2 Report on Membership. Including Members Defaulting on Dues.
 - 13.3 Reports of Current and Possible Associate Members
14. Executive Secretary's Report
 - 14.1 IAPWS Bank Accounts, Financials, Auditors and Dues
 - 14.2 Time and Place of 2020 (Italy) and 2021 (New Zealand) Meetings.
15. Guidelines, Releases, Certified Research Needs, and International Collaborations
 - 15.1 International Collaborations
16. IAPWS Awards
 - 16.1 Helmholtz Award Committee
 - 16.2 Honorary Fellowship
17. New Business
 - 17.1 Press Release
 - 17.2 Canada National Committee feedback on 2019 Annual Meeting
 - 17.3 Future ICPWS
 - 17.4 Other items raised during the IAPWS week
18. Adjournment



Barry Dooley
14th September 2019

IAPWS Symposium
Chemistry and Mass Transport for Steam Generation
and Injection Processes
Wednesday October 2nd, 2019
Banff Centre for Arts and Creativity
Banff, Alberta, Canada

1.0		Symposium Opening	
9:00 – 9:10	1.1	Introductory Remarks	Jan Hrubý, IAPWS President, Institute of Thermomechanics of the Czech Academy of Sciences, Czech Republic
9:10 – 9:55	1.2	Helmholtz Lecture & Award Presentation: Surface Tension of Supercooled Water, Seawater and Aqueous Binaries at Low Temperatures including Metastable Supercooled	Dr. Václav Vinš, Institute of Thermomechanics of the Czech Academy of Sciences, Czech Republic
9:55 – 10:00	1.3	Welcome to IAPWS and the IAPWS Symposium	William Cook, Canadian National Committee of IAPWS, University of New Brunswick, Canada
2.0		Equations-of State for Water and Aqueous Fluid Mixtures	
10:00 – 10:25	2.1	Progress in Modeling Thermophysical Properties for H ₂ O and D ₂ O	Allan Harvey, National Institute of Standards and Technology, USA
10:25 – 10:50	Coffee Break		
10:50 – 11:15	2.2	Development of Equations of State for Seawater	Rich Pawlowicz, University of British Columbia, Canada
3.0		Oil and Gas (steam injection, amine-based gas processing, sour-gas fluids)	
11:15 – 11:40	3.1	Water Issues/Solutions in Oil & Gas – Once Through Steam Generator R&D Overview in Alberta	Basil Perdicakis, Suncor Sean Sanders, University of Alberta, Canada
11:40 – 12:05	3.2	Water Content of Sour Gases	Rob Marriott, University of Calgary, Canada

12:05 – 12:30	3.3	Small Modular Reactors for Oil Extraction Processes	Craig Stuart, Canadian Nuclear Laboratories, Canada
12:30 – 13:30	Lunch (provided)		
4.0	Modelling Hydrothermal Fluids for Nuclear, Thermal and Oil & Gas Applications		
13:30 – 13:55	4.1	Modeling Phase and Chemical Equilibria for Carbon Capture, Transportation and Storage	Andre Anderko, OLI Systems Inc., USA
13:55 – 14:20	4.2	Speciation of Boric Acid, Borate and Polyborates under PWR Primary Coolant Conditions by AC Conductivity and Raman Spectroscopy: Implications for Modelling Coolant Chemistry and Boron	Peter Tremaine, University of Guelph, Canada
14:20 – 14:45	4.3	Case Study - OLI Warm Lime Softening Lime and Magox Silicate Reactions Modelling	Subodh Peramanu, Canadian Natural Resources Limited, Canada
14:45 – 15:00	Coffee Break		
5.0	Film Forming Substances (FFS) for Power Cycle Applications		
15:00 – 15:25	5.1	Assessment of FFS Technology	Stephen Shulder, EPRI, USA
15:25 – 15:50	5.2	FFS Application for Nuclear Systems	Jörg Fandrich, Framatome, Germany
15:50– 16:15	5.3	FFS for Steam Cycle Applications	Ivan Morales, Integrated Sustainability, USA
16:15 – 16:30	5.4	Symposium Closing Discussion	All
Close of IAPWS Symposium			



Schedule of IAPWS Meetings Banff, Canada. 29th September – 4th October 2019

(All technical meetings will be at the Banff Centre for Arts and Creativity)

Sunday 29 Sept.	7:00 pm	Welcome Reception and Registration Banff Centre for Arts and Creativity
Monday 30 Sept.	9:00 am	Executive Committee - Opening Plenary Session
	10:15 am	Coffee / Tea Break
	10:30 am	TPWS/IRS/SCSW Joint Meeting
	(To set agendas for the week and to conduct IAPWS Business, thus allowing remainder of week for technical matters)	
	10:30 am	PCAS and PCC Separate Meetings
	(To conduct IAPWS Business, thus allowing remainder of week for technical matters)	
	12:00 pm	Lunch
	1:30 pm.	TPWS/IRS/SCSW Joint Meeting
	1:30 pm.	PCC and PCAS Separate WG Meetings
Tuesday 1 Oct.	9:00 am	PCAS Workshop (other WG Members will be welcome)
	9:00 am	PCC Workshop (other WG Members will be welcome)
	9:00am	TPWS/IRS/SCSW Joint Working Group Meeting
	10:30 am	TPWS/IRS/SCSW Joint or Separate Meetings
	10:30 am	PCC and PCAS Separate Meetings
	12:00 pm	Lunch
	1:30 pm	TPWS/IRS/SCSW Joint Meeting.
	1:30 pm	PCC/PCAS Joint WG Meeting and Workshop
	3:30 pm	PCC and PCAS Separate Meetings
Wednes. 2 Oct.	9:00 am – 4:00 pm	IAPWS Symposium (Chemistry and Mass Transport for Steam Generation and Injection Processes)
Thursday 3 Oct.	9:00 am	IRS, SCSW and PCC Separate WG Meetings
	9:00 am	TPWS/PCAS Joint WG Meeting
	12:00 pm	Lunch
	1:30 pm	Separate meetings of Working Groups (If needed to prepare for Executive meeting)
	6:30 pm.	IAPWS Dinner/Banquet. (Brewster's Mount View Barbecue)
Friday 4 Oct.	9:00am	Executive Meeting (9:00am - 1: 00pm) (Will include at least one member from each National Delegation)

TPWS - Thermophysical Properties of Water and Steam WG
SCSW - Subcommittee on Seawater
IRS - Industrial Requirements and Solutions WG
PCAS - Physical Chemistry of Aqueous Solutions WG
PCC - Power Cycle Chemistry WG

Barry Dooley
9th June 2019