

**AGENDA for the EXECUTIVE COMMITTEE of IAPWS  
Niagara Falls, Canada. 18-23 July 2010**

**Monday, 19<sup>th</sup> July 2010. Opening Session (8:30 – 9:30am)**

- Opening Remarks and Welcome by IAPWS President
- 1. Adoption of Agenda
- 2. IAPWS Business and Appointment of Committees
  - 2.1 Releases, Advisory Note, ICRN and Guidance Document
  - 2.2 Press Release
  - 2.3 Evaluation Committee on International Collaboration
  - 2.4 IAPWS Awards Committees for 2011 (Honorary Fellow and Helmholtz)
  - 2.5 IAPWS Bank Account and Future IAPWS Dues
  - 2.6 Committee on Keywords for Internet Access
  - 2.7 WG Future Activities and Mission Statements
  - 2.8 New IAPWS WG
  - 2.9 WG 127 and SCOR
  - 2.10 Other business requiring special/extensive discussions
- 3. EC Mandate to Working Groups and Membership
  - 3.1 Releases, Guidelines and ICRNs
  - 3.2 WG Directions
- 4. Preview of Week's WG Activities by WG Chairmen

**Friday, 23<sup>rd</sup> July 2010. Executive Committee Meeting. (8:30am – 1:00pm)**

- 5. Acceptance of Minutes of Previous Meeting
- 6. President's Report
- 7. Report and Recommendations of TPWS, IRS and the Sub-Committee on Seawater
- 8. Report and Recommendations of IRS
- 9. Report and Recommendations of the Sub-committee on Seawater
- 10. Report and Recommendations of PCAS
- 11. Report and Recommendations of PCC
- 12. Editorial Committee Report
- 13. Membership and Associates
  - 13.1 Report on Membership. Including Members Defaulting on Dues.
  - 13.2 Report on Associate Member Switzerland
  - 13.3 Application of Scandinavian Joint Committee of IAPWS
  - 13.4 Other Activities in Membership of IAPWS
- 14. Executive Secretary's Report
  - 14.1 Financial, Auditors and IAPWS Dues
  - 14.2 IAPWS Bank Account and Future Dues Payments
  - 14.3 Time and Place of 2011/2012/2013/2014 Meetings.  
Includes BIAPWS's Update on the 16<sup>th</sup> ICPWS

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. Election of Officers for 2011 and 2012
18. New Business
  - 18.1 Press Release
  - 18.2 IAPWS Website and Keywords for IAPWS Internet Access
  - 18.3 Proposal to Establish Links with CIPM
19. Adjournment



## Schedule of IAPWS Meetings Niagara Falls, Canada. 18-23 July 2010

(All meetings will be at the Sheraton Fallsview Hotel)

- Sunday 18 July. 6:00pm      Informal Get-together, Cocktails and Registration  
(Location will be at the Sheraton Fallsview Hotel)
- Monday 19 July.      8:30am.      Opening Plenary Session - Executive Committee  
                                 10:00am      TPWS/IRS/SCSW Joint Meeting  
(To set agendas for the week and to conduct IAPWS Business, thus allowing remainder of week for technical matters)  
                                 10:00am.      PCAS and PCC Separate Meetings  
(To conduct IAPWS Business, thus allowing remainder of week for technical matters)  
                                 1:30pm.      TPWS/IRS/SCSW Joint Meeting  
                                 1:30pm.      PCC and PCAS Separate WG Meetings
- Tuesday 20 July.      8:30am. PCAS Workshop (other WG Members will be welcome)  
                                 8:30am      PCC Workshop  
                                      **"Update on Power Cycle Chemistry Research and Experience"**  
                                 8:30am.      TPWS/IRS/SCSW Joint Working Group Meeting  
                                 10:30am.      TPWS/IRS/SCSW Joint Meeting. PCC, PCAS Separate Meetings  
                                 1:30pm TPWS/IRS/SCSW Joint Meeting.  
                                 1:30pm PCC/PCAS Joint WG Meeting and Workshop  
                                 3:30pm PCC and PCAS Separate Meetings
- Wednes. 21 July.      9:00 – 5:00      **IAPWS Symposium**  
                                      **" Chemistry Research, Sampling and Monitoring"**  
                                      **(Location will be at Sheraton Fallsview Hotel)**
- Thursday 22 July.      8:30am. IRS, SCSW and PCC Separate WG Meetings  
                                 8:30am. TPWS/PCAS Joint WG Meeting  
                                      **"Scaled Formulation of Self Diffusion Coefficients for Water over a Wide Range of Density and Temperature Including the Supercritical"**  
                                 1:30pm.      Separate meetings of Working Groups  
                                      (If needed to prepare for Executive meeting)  
                                 6:30 pm.      **IAPWS Dinner/Banquet.**  
                                      **(Niagara Falls Restaurant)**
- Friday 23 July      .      8:30am. Executive Meeting **(8:30am - 1: 00pm)**  
                                      (Will include at least one member from each National Delegation)  
                                 2:00pm Visit to Adam Beck Hydro Plant

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  
24<sup>th</sup> July 2010



**BUILDING ON SYNERGIES:  
CHEMISTRY RESEARCH, SAMPLING AND MONITORING IN  
HIGH-TEMPERATURE WATER AND STEAM-WATER SYSTEMS**

**IAPWS Symposium 2010 July 21  
Sheraton Fallsview at 6755 Fallsview Boulevard, Oaks North Ballroom  
Niagara Falls, Canada**

**Symposium Schedule**

- 09:00      Introductory remarks: Daniel Friend, IAPWS President
- 09:10      Helmholtz Award Lecture – “To Scale or Not to Scale in 2500 psig Thermal Enhanced Oil Recovery Steam Generators Utilized for Produced Water Applications”  
Melonie Myszczyzyn (Canadian Natural Resources Limited)
- 09:55      Welcome to Symposium - Dave Guzonas (Atomic Energy of Canada Ltd)

**Session 1: *Fossil and Nuclear Boiler Operational Experience* (Chair: Dave Guzonas)**

- 10:00      Experiences in Sampling and Chemistry Control in a Lignite-Fired Boiler System in a Water Resource Constrained Region  
Rod Nashiem (Bruce Power)
- 10:25      Fossil Boiler Water Chemistry Experiences and Challenges  
John Jevic (Babcock & Wilcox)
- 10:50      Break

**Session 2: *Fossil and Nuclear Boiler Operational Experience (continued)* (Chair: Ian Hey)**

- 11:20      Optimization of Sampling for Power Plants  
John Roberts (Bruce Power - consultant)
- 11:45      Progress in Monitoring and Chemistry Control in Power Plants  
Carl Turner (Atomic Energy of Canada Ltd)
- 12:10      **Lunch**

**Session 3: *Supercritical Water Chemistry* (Chair: Willy Cook)**

- 13:30      Metal Oxide Solubility and Speciation in Supercritical Water Power Stations  
Peter Tremaine (University of Guelph)
- 13:55      Studies of Supercritical Water Chemistry  
Alan Anderson (Saint Francis Xavier University)
- 14:20      Break

**Session 4: *Linking Boiler Corrosion and Water Chemistry* (Chair: Derek Lister)**

- 14:50      Low Temperature Corrosion by Sulfur Species  
Roger Newman (University of Toronto)
- 15:15      Sampling for Chemical Control: Pitfalls and Compromises  
Geoff Bignold (GJB Chemistry for Power Ltd)
- 15:40      **Wrap up Discussion:** Paul Spekkens (Ontario Power Generation)
- 16:00      Close of Symposium