

**AGENDA for the EXECUTIVE COMMITTEE
IAPWS
Prague, Czech Republic. 3-9 September 2000**

Monday, September 4, 2000. Opening Session (9:00 - 10:30am)

- Opening Remarks and Welcome
- 1. Adoption of Agenda
- 2. IAPWS Business and Appointment of Committees
 - 2.1 Press Release
 - 2.2 Evaluation Committee on International Collaboration
 - 2.3 IAPWS on the Internet
 - 2.4 Other business requiring special/extensive discussions
- 3. EC Mandate to Working Groups and Membership
 - 3.1 Refreshment of WG Officers
 - 3.2 Releases, Guidelines and Certified Research Needs (New and Expiring)
 - 3.3 Proposals for International Collaborations
 - 3.4 Reporting WG Activities to the EC
 - 3.5 IAPWS Electronic Minutes
- 4. Preview by WG Chairpersons of Week's Activities

Friday, September 8, 2000. Executive Meeting. (9:00am - 4:00pm)

- 5. Acceptance of Minutes of Previous Meeting
- 6. President's Report
- 7. Report and Recommendations of TPWS
- 8. Report and Recommendations of IC
- 9. Report and Recommendations of PCAS
- 10. Report and Recommendations of PCC
- 11. Editorial Committee Report
- 12. Membership and Associates
 - 12.1 Report on Membership (Including Members Defaulting on Dues)
- 13. Executive Secretary's Report
 - 13.1 Financial, Auditors and Dues
 - 13.2 Time and Place of 2001 and 2002 Meetings
- 14. Guidelines, Releases, Certified Research Needs and International Collaborations
- 15. IAPWS Fellowships
- 16. Spending of IAPWS Funds
- 17. IAPWS on the Internet
- 18. Election of Officers for 2001/2002
- 19. Report on 13th ICPWS
- 20. New Business
 - 20.1 Time, Place, and Planning Details of 14th ICPWS
 - 20.2 Atlas
- 21. Adjournment



Symposium Program

2000 IAPWS Prague Annual meeting
Wednesday, September 6
Congress Hall, Masarykova kolej, Thákurova 1, Prague 6

Processes in Steam and Material Protection in Power Plants

Session 1: Chairperson: Dr. Bert Rukes, Siemens A.G., Erlangen, Germany

09:00 – 09:05 ***Introductory Address***

09:05 – 09:30 IAPWS Helmholtz Award Lecture – Andrzej Anderko, M.M. Lencka,
OLI Systems Inc., Moris Plains NJ, USA

**Modeling Transport Properties of Electrolyte Solutions in Wide
Concentration and Temperature Ranges**

09:30 – 09:50 P. Tremaine, Memorial University of Newfoundland, Canada

**Copper(II)-Ammonia Complexation Equilibria in Aqueous Solutions
at Temperatures from 30 to 250°C by Visible Spectroscopy**

09:50 – 10:10 G. J. Bignold, Innogy, Swindon, UK

Sources of Corrosive Conditions in Low Pressure Steam Turbines

10:10 – 10:40 ***B r e a k***

Session 2: Chairperson: Dr. D. A. Palmer, Oak Ridge National Laboratory, USA

10:40 – 11:00 V. Petr and M. Kolovratník, CTU Prague, Faculty of Mechanical
Engineering, Czech Republic

Heterogeneous Effects in the Droplet Nucleation Process

11:00 – 11:20 M. Štastný and M. Šejna, Consult Plzen, PC Progress Praha, Czech Rep.

**Analysis of Heterohomogeneous Condensation of the Steam flowing in
a Turbine Cascade by two Population Numerical Models**

11:20 – 11:40 J. Hrubý and F. Maršík, Institute of Thermomechanics, AS CR, Prague,
Czech Republic

**Binary and Multi-component Homogeneous Nucleation in Aqueous
Systems: A Process or a Thermophysical Property**

11:40 – 12:00 A. Bursik, Power Plant Chemistry GmbH, Neulussheim, Germany

**Chemistry in Cycles with Heat Recovery Steam Generators – a
Problem and Challenge**

12:00 – 13:30 ***L u n c h B r e a k***

Attachment 2

Session 3: Chairperson: Prof. Peter Tremaine, Memorial University of Newfoundland, Canada

- 13:30 – 13:50 D.A.Palmer, P. Bénézech, D.J. Weselowski, S.A. Wood *, and C. Xiao, Oak Ridge Laboratory, Oak Ridge TE, USA,
* University of Idaho, Moscow ID, USA
The Solubility of Metal Oxides and Hydroxides at High Temperatures – Results and Implications of Recent ORLN Measurements
- 13:50 – 14:10 I. Jiríček, Power Engineering Department, Inst. of Chemical Technology, Czech Republic
Three Cases of Organics in Water/Steam Cycle
- 14:10 – 14:30 R. Svoboda, M. Bodmer, H. Sandmann, ABB Alstom Power, Baden, Switzerland
Impact of Organic Impurities on Steam Turbine Operation
- 14:30 – 14:50 J. Lyons, J. Bane, Electricity Supply Board, Ireland
Characterization of Organic Matter and a Field Study of its Role in Turbine Corrosion
- 14:50 – 15:10 A. Zeijseink, KEMA Power Generation, Arnhem, The Netherlands
Comparison of Three Types of Degassed Cation Conductivity Measurements

15:10 – 15:40 *B r e a k*

Session 4: Chairperson: Prof. J. Kadrnozka, Technical University Brno, Czech Rep.

- 15:40 – 16:00 M. Zmítka, M. Pištelka*, J. Janešík*, P. Marcinský**, J. Bolcha**, NRI REZ,pcl., Cz *CEZ–ETE, NPP Temelín, Czech Republic; **SE–EMO, NPP Mochovce, Slovakia
Water Chemistry and Operational Experience during Hot Functional Tests at Mochovce and Temelín NPPs.
- 16:00 – 16:20 J. Macák, J. Vošta, M.Heizinová, Institute of Chemical Technology, Prague, Cz
Chemical Cleaning of Steam Generators by HSO_3NH_2
- 16:20 – 16:40 B.Dooley – Closing Remarks

Schedule
IAPWS Meetings
Prague, Czech Republic. 3-9 September 2000
 (All meetings will be at Masarykova kolej)

Sunday 3 Sept.	3:00pm	Meeting of WG Chairmen (If needed to finalize agendas)
	6:00pm	Informal Get-together and Registration
		(Hosted by Czech Republic National Committee)
Monday 4 Sept .	9:00am.	Opening Plenary Session - Executive Committee
	10:30am.	TPWS/IC Joint Meeting (To set agendas for the week)
	10:30am	PCAS and PCC Separate Meetings
		(To conduct IAPWS Business, thus allowing remainder of week for technical matters)
	1:30pm.	TPWS and IC Joint or Separate Meetings
	1:30pm.	PCC/PCAS Joint Workshop
		"Organics"
Tuesday 5 Sept.	9:00am.	PCAS Workshop (or PCAS Separate Meeting)
	9:00am.	TPWS, IC, PCC Separate Working Groups Meetings.
		(Maybe can include Local Speakers of Interest to Each Working Group)
	10:30am.	TPWS/IC Joint or Separate Meetings
	10:30am.	PCC Separate Meetings
	1:30pm	IC and PCC Separate WG Meetings
	1:30pm	TPWS/PCAS Workshop (or Separate or Joint WG Meeting)
		"Topic for Workshop to be decided by WG Chairmen"
Wednes. 6 Sept.	9:00-5:00	IAPWS Symposium
		"Processes in Steam and Material Protection in Power Plants"
	7:00 p.m.	IAPWS Dinner.
Thursday 7 Sept.	9:00am.	TPWS, IC, PCAS, and PCC Joint WG Meeting
		"Atlas"
	10:30am.	PCC and PCAS Separate Meetings
		TPWS and IC Joint or Separate Meetings
	1:30pm.	PCC /PCAS Joint or Separate Meetings
	3:30pm.	Separate meetings of Working Groups
		(If needed to prepare for Executive meeting)
Friday 8 Sept.	9:00am.	Executive Meeting (9:00am - 4: 00pm)
		(Will include at least one member from each National Delegation)
Saturday 9 Sept.	9:00am	Technical and Sightseeing (Spa Karlovy Vary) Visits

TPWS - Thermophysical Properties of Water and Steam WG
 PCAS - Physical Chemistry of Aqueous Solutions WG
 PCC - Power Cycle Chemistry WG
 IC - Industrial Calculations WG

Barry Dooley
 2 September 2000

