



IAPWS Virtual Executive Meetings and Symposia

14th – 17th September 2021

All Times are UK Times

Tuesday, 14th September 2021.

12:00 **Opening *EC Meeting*.**

Agenda Published Separately

Chair: IAPWS President Masaru Nakahara, Kyoto University, Japan

Helmholtz Awards Symposium

(Each 45 minute presentation slot includes presentation plus 5 - 10 minutes question/answers)

Chair: IAPWS President Masaru Nakahara, Kyoto University, Japan

12:45 ***Helmholtz 2020 Award Lecture***

Molecular Dynamics Study of Transport, Structure and Spectroscopy at Liquid Interfaces

Tatsuya Ishiyama, Toyama University, Japan.

13:30 ***Helmholtz 2021 Award Lecture***

Thermophysical Properties of Water Vapor and its Mixtures with Other Gases from First-Principles Calculations

Robert Hellmann, Helmut Schmidt University of Hamburg, Germany.



Wednesday, 15th September 2021.

IAPWS Symposium

(Each 30 minute presentation slot includes presentation plus 5 minutes question/answers)

- 12:00** [Thermophysical Properties of Water and Steam \(TPWS\)](#)
The IAPWS-95 Reference Equation of State for Water and its Future Replacement
Allan Harvey, NIST, USA.
- 12:30** [Industrial Requirements and Solutions \(IRS\)](#)
Advances in Large Eddy Simulation of Non-equilibrium Condensation in Steam Turbines
Francesca di Mare, Ruhr-Universität, Bochum, Germany
- 13:00** [Physical Chemistry of Aqueous Solutions \(PCAS\)](#)
Water-Polymer Interactions Analyzed by All-Atom MD Simulations: Fugaku Supercomputer Project toward Materials Design
Nobuyuki Matubayasi, Osaka University, Japan
- 13:30** [Power Cycle Chemistry \(PCC\)](#)
Film Forming Substances (FFS): The Path towards an ICRN
Barry Dooley, Structural Integrity, UK and
David Addison, Thermal Chemistry, New Zealand.
- 14:00** [Sub-committee on Sea Water \(SCSW\)](#)
TBD
- 14:30** [Open Discussion](#)



Friday, 17th September 2021.

12:00 IAPWS EC Meeting.

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