

The 22nd International Conference on Solid-State Protonic Conductors (SSPC-22)

**Copenhagen, Denmark,
September 14-19, 2025**

Co-chaired by

Prof. Wollf-Ragnar Kiebach

Prof. Qingfeng Li

The Technical University of Denmark

Featuring

- Proton transfer phenomena and defect chemistry of proton and mixed conducting oxides
- Fabrication and characterization techniques of oxide based electrolytes and electrodes
- Protonic ceramic fuel cells, electrolyzers and membrane reactors
- Polymer chemistry and membrane techniques for cation and anion exchange materials
- Solid acids based on phosphates, glasses, and water stable organic frameworks
- Structure and materials of hydride and oxyhydride conductors
- Proton and mixed conducting membranes for catalysis and permeation
- Modelling/simulation of components and processes

Confirmed keynote speakers

- Horishige Matsumoto (Kyushu University, Japan)
- Mark Tuckerman (New York University, USA)
- Ryan O'Hayre (Colorado School of Mines, USA)
- Sebastian Öner (Max Planck, Germany)
- Sossina Haile (Northwestern University, USA)

Confirmed invited speakers

- Alexander Karl Opitz (Vienna University of Technology, Austria)
- Aleksandra Mielewczyk-Gryn (Gdansk University, Poland)
- Christian Kjølseth (CoorsTek, Norway)
- Donglin Han (Soochow University, China)
- Edith Bucher (Montanuniversität Leoben, Austria)
- Genki Kobayashi (RIKEN, Japan)
- Jong Ho Lee (Korea Institute of Science and Technology, Korea)
- Lorenz Gubler (Paul Scherrer Institute, Switzerland)
- Maire Laure Fontaine (SINTEF, Norway)
- Nanwen Li (Chinese Academy of Sciences, China)
- Michael Hickner (Michigan State University, USA)
- Nicola Helen Perry (University of Illinois Urbana-Champaign)
- Nikolaos Bonanos (Greece)
- Rotraut Merkle (Max Planck, Germany)
- Sandrine Ricote (Colorado School of Mines, USA)
- Sanping Jiang (Curtin University, Australia)
- Simon Brandon (Technion – Israel Institute of Technology)
- Takahisa Omata (Tohoku University, Japan)
- Trus Norby (University of Oslo, Norway)
- Vladimir Atanasov (University of Stuttgart, Germany)
- Wolfgang Rheinheimer (University of Stuttgart)
- Yu-Seung Kim (Los Alamos, USA)

CALL FOR ABSTRACTS

www.conferencemanager.dk/solid-stateprotoniconductors

The 22nd International Conference on Solid-State Protonic Conductors (SSPC-22)

Welcome and Scope of the Conference

It is our great honor and pleasure to warmly invite you to the 22nd International Conference on Solid-State Protonic Conductors (SSPC-22), scheduled to take place in Copenhagen, Denmark, from September 14–19, 2025.

The SSPC conference series began in the early 1980s as a Danish-French workshop, and after the success of our last gathering in Fukuoka, Japan, we are excited to bring SSPC back to Denmark for the first time in over 40 years. The event will be held on the campus of the Technical University of Denmark, just 15 kilometers north of Copenhagen. The proximity to the sea makes the Danish September a breezy, mild and crisp time of the year.

SSPC-22 will bring together a global community of researchers to explore the latest advancements in both experimental and theoretical research on the fundamental aspects of proton and related ion (e.g. hydroxides, hydrides, etc.) conduction in solids. The conference will focus on fabrication and characterization of proton-conducting materials, including ceramics, oxyacids, salts, polymers, and glasses, and will address applications across a range of fields such as fuel cells, electrolyzer cells, membrane reactors, sensors, carbon capture and utilization, and Power-to-X technologies.

This conference provides an invaluable platform for presenting recent findings and exchanging ideas through oral and poster sessions.

We look forward to seeing you and having a wonderful time with you at SSPC-22 in Copenhagen.

SSPC-22 Local Organizing Committee

Publication Policy

A special issue of Solid State Ionics dedicated to SSPC-22 is planned.

Venue



DTU Campus, Glassalen (B101)
Anker Engelunds Vej 101
2800, Kgs. Lyngby

Contact to the Organizing Committee: spc2025@dtu.dk

Important dates

10. Dec. 2024	SSPC-22 homepage opens
01. Feb. 2025	Abstract submission site opens
01. Feb. 2025	Registration opens
15. May 2025	Abstract submission due
15. June 2025	Early bird registration ends
	Application to student support ends

Conference dates: September 14-19 2025

Support

The SSPC offers support for waiving registration to a limited number of students, who contribute to the conference with oral or poster presentations.

Sponsors

Coorstek membrane technologies

