

Conference Topics PSE2024

1 Plasma and ion sources

- a. Low pressure plasmas and ion beams
- b. Atmospheric pressure plasmas
- c. Plasma volume processes
- d. Plasma in liquids
- e. Particles and powders in plasmas

2 Process technologies

- a. Plasma treatment, cleaning and etching
- b. Plasma diffusion technologies
- c. Physical vapor deposition
- d. Plasma-enhanced chemical vapor deposition
- e. Atomic layer deposition and etching
- f. Other plasma-based surface process technologies

3 Properties and applications

- a. Protective and tribological surfaces
- b. Optical, electronic and magnetic coatings
- c. Biomedical and agriculture applications
- d. Batteries and green hydrogen
- e. Gas conversion processes
- f. Environmental applications

4 Characterization and simulation

- a. Modelling of film growth, structure and properties
- b. Modelling and simulation of plasma processes
- c. Plasma and process diagnostics
- d. Analytics of film structures and properties
- e. Artificial intelligence and predictive modelling

5 Industrial Workshop: Plasma Surface Engineering enabling Sustainability

6 Trend Topic Workshop: Hydrogen Technologies

Abstract Submission under www.pse-conferences.org

Deadline for Abstract Submission: January 31, 2024