

MAIN CONFERENCE TOPICS

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
- f) Power supplies and process control systems

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
- g) Post-process treatment

3 Properties and applications

- a) Protective and tribological surfaces
- b) Optical, microelectronic, quantum and magnetic coatings
- c) Biomedical and agriculture applications
- d) Energy Technologies (batteries, hydrogen, solar, nuclear power, nuclear fusion)
- e) Gas conversion processes
- f) Environmental applications
- g) Transportation and mobility

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

SPECIAL TOPIC PSE2026

Surface engineering for clean energy solutions

TREND TOPIC PSE2026

TBA