PSE2026 Conference Topics

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

Thin films and micro structuring methods for integrated smart systems