

Session List

Membrane and Module Development

1. 2D membranes (ultrathin membranes)
2. Adsorptive membranes
3. Biomimetic membranes
4. Catalytic membranes and membrane reactors
5. Facilitated transport membrane
6. Inorganic membranes (ceramic, metallic, etc.)
7. Membrane characterization
8. Membrane module design and fabrication
9. Membranes for Fuel cell / Electrolysis / Battery
10. Mixed matrix membranes
11. Responsive membranes
12. Surface modification and patterning

Processes and Fundamentals

13. Fouling
14. Gas separation
15. Ion exchange and electrically driven processes
16. Micro / ultrafiltration
17. Modeling / Molecular simulation
18. Nanofiltration
19. Reverse osmosis
20. Vapor permeation / Pervaporation

Applications

21. Biomedical (blood oxygenation, dialysis, plasmapheresis, etc.)
22. Bio-separations (adsorbers, virus filtration, etc.)
23. Bio-membranes
24. Bioinspired / Smart membranes
25. Desalination
26. Drinking water treatment
27. Drug delivery system / Tissue engineering
28. Electro-chemical membrane processes (electrodialysis, etc.)
29. Hybrid and integrated processes
30. Membrane contactors
31. Membranes for Carbon capture, utilization, and storage (CCU/CCS)

32. Membrane processes in aviation / aerospace / space engineering
33. Membrane bioreactors
34. Organic Solvent Nanofiltration / reverse osmosis (OSN/OSRO)
35. Osmotic membrane (FO) Processes and Draw Solution
36. Pressure retarded osmosis (PRO) / Brine concentration (BC) process
37. Process intensification
38. Wastewater treatment

Honorary & Memorial Sessions

39. Quo Vadis, Organic Solvent Nanofiltration? Honorary Session for Prof. Andrew Livingston
40. Prof. Shoji Kimura Memorial Session (Invited or requested lecture only)

Special Session (Invited or requested lecture only)

41. The Aseanian Membrane Society (AMS) Session
42. The North American Membrane Society (NAMS) Alan S. Michaels Award Session - Andrew Zydney
43. The North American Membrane Society (NAMS) Alan S. Michaels Award Session - Dibakar Bhattacharyya
44. The World Association of Membrane Societies (WA-MS) session
45. Meet the Journal of Membrane Science (JMS) Editors

Other Topics

100. Novel materials, synthesis and applications

Ex. Bioplastic films, Filters, Functional membranes, Barrier membranes/films etc.

The category lists and the session lists were updated.

We would appreciate the nominees applying to Special Sessions. Please consult each society before the application.

Please wait until February, when the application is officially open to the candidates for the EMS session.