



Wolfson Department of Chemical Engineering Seminar

Zoom seminar / Zoom Meeting - <https://technion.zoom.us/j/97485793831>

Meeting ID: 974 8579 3831

Wednesday - February 03, 2021 at 13:30

"Creation and Application of Novel Membrane Materials through Solution Processing"

Dr. Fei Guo

PI Professor of Energy and Power Engineering at Dalian University of Technology in Dalian, China

The study on membrane materials usually covers a wide range of research fields especially in Chemical Engineering and Materials Science. With the significant development of small scale characterizing technologies, the creation and application of novel membrane materials become a cutting-edge research topic. It follows the investigating strategy of "properties, structures, functions, mechanisms, applications" with wide interdisciplinary studies. This seminar will give an introduction on the creation and application of novel membrane materials through solution processing, including the synthesis of novel functional carbon materials and their applications, electrospun fibrous membranes for membrane distillation desalination, environmental barriers and interfacial thermodynamics.