



Institute on Membrane  
Technology  
National Research Council of Italy

# ITM INTERNATIONAL MEMBRANE WEBINARS 2021

*A series of lectures  
given by academic and industrial  
top-players of the membrane community*

24 <sup>th</sup> March 2021	POLYMERIC MEMBRANE PREPARATION
09:00 - 09:10	<b>Introduction to the ITM International Membrane Webinars</b> <i>Dr. Alberto Figoli. (CNR-ITM Director)</i>
<i>Moderators: Dr. Alberto Figoli; Dr. Annarosa Gugliuzza</i>	
09:10 - 09:50	<b>Specialty Polymers for Membrane Applications</b> <i>Dr. Emanuele DI NICOLO'</i> <i>SOLVAY SPECIALTY POLYMER, Bollate (MI), Italy</i>
09:50 - 10:30	<b>Temperature Induced Phase Separation (TIPS) technique for making polymeric membranes</b> <i>Prof. Tao He</i> <i>Shanghai Advanced Research Institute (SARI), Shanghai, China</i>

For registration, send an email to: [itmwebinars@itm.cnr.it](mailto:itmwebinars@itm.cnr.it)

## Dr. Emanuele Di Niccolò

*SOLVAY SPECIALTY POLYMER, Bollate (MI), Italy*

### Specialty Polymers for Membrane Applications



**Emanuele Di Niccolò** holds a degree in Physics, specialty Solid State Physics, and a MPhil on superconductivity. He has been a R&D manager in Solvay for almost 20 years working in different areas like Polymer Processing, Membranes and Material Science and filing more than 25 patents. In 2010 he started a R&D laboratory for membrane applications with special focus on membrane manufacturing and from 2015 he is the responsible of the R&D programs focusing on membrane technologies. He is now leading the Advanced Separation Initiative to support the strategic roadmap growth within Solvay Specialty Polymers.

## Prof. Tao He

*Shanghai Advanced Research Institute (SARI), Shanghai, China*

### Temperature and Diffusion Induced Phase Separation: from Amorphous to Semi-crystalline Polymeric Membranes



**Professor Tao He** is the Editor of Desalination and the head of the Lab for Membrane Material and Separation Technology at Shanghai Advanced Research Institute, CAS. His research interests: membrane fabrication; resource recovery using membrane extraction; membrane distillation/forward osmosis; acid/base/solvent resistant NF membranes..