

GIDRM Day – Porous materials for gas separation and ion exchange membranes: insights from NMR

PROGRAM

10:00-10.15	<i>Welcome and opening</i>
Morning session: Materials for gas separation membranes	
10:15-10.50	Innovative membrane materials for gas separation Alessio Fuoco (ITM – CNR, Rende, Italy)
10.50-11.25	Porous materials for gas separation: insights from solid state NMR Lucia Calucci (ICCOM – CNR, Pisa, Italy)
11.25-11.45	Selective CO ₂ capture and photo-switch in nanoporous architectures by solid state NMR Silvia Bracco (Università degli Studi di Milano Bicocca, Italy)
11.45-12.05	Understanding CO ₂ -polymer interactions in fluorinated aryl ether membranes by solid state NMR Elisa Della Latta (Università di Pisa, Italy)
12.05-12.35	10'-Short Presentations (call for abstracts)
12.35-14.00	<i>Lunch break</i>
Afternoon session: Materials for ion exchange membranes	
14.00-14.35	Sustainable design by statistical approach of materials for ion exchange membranes in fuel cells and water electrolyzers Monia Montorsi (Università di Modena e Reggio Emilia, Italy)
14.35-15.10	NMR studies of liquid and ion dynamics in confinement Michael Vogel (Technische Universität Darmstadt, Germany)
15.10-15.30	Characterizing ionomer membranes for PEM fuel cells: The added value of NMR Assma el-Kaddouri (Université de Lorraine, France)
15.30-15.50	Polymer and water dynamics in a polyketone-based anion exchange membrane Andrea Giovanelli (Università di Pisa, Italy)
15.50-16.20	10'-Short Presentations (call for abstracts)
16.20	<i>Concluding Remarks</i>