

**Wednesday June 6th 2018**

14:00-15:15		<i>Registration</i>	
		<i>Opening</i>	chair <b>C. Tedesco &amp; L. J. Barbour</b>
15:15-15:30	<b>P. Neri</b> University of Salerno	Head of the Dept of Chemistry and Biology "A. Zambelli"	
		<i>Session I</i>	chair <b>G. Guerra</b>
15:30-16:00	<b>L. J. Barbour</b> Stellenbosch University	Structural flexibility in the solid state	
16:00-16:30	<b>K. T. Holman</b> Georgetown University	Closed to open pore behaviour in 0D porous molecular solids	
16:30-17:00		<i>Coffee-break</i>	
		<i>Session II</i>	chair <b>L. J. Barbour</b>
17:00-17:30	<b>M. Mastalerz</b> University of Heidelberg	Intrinsically porous molecules for selective gas sorption	
17:30-18:00	<b>A. I. Cooper</b> University of Liverpool	Porous molecular crystals: designing properties 'from scratch' using energy-structure-function maps	
		<i>IUCr &amp; ECA Prizes Session</i>	chair <b>C. Tedesco</b>
18:00-18:15	<b>C. X. Bezuidenhout</b> University of Milano-Bicocca	CO <sub>2</sub> stabilisation and phase transitions in open-channel MOFs	
18:15-18:30	<b>I. Brekalo</b> Georgetown University	Are bisguanidinium organodisulfonates formally microporous?	
18:30-18:35	<b>I. Claassens</b> Stellenbosch University	Stepped sorption behaviour in a highly porous MOF	
18:35-18:40	<b>S.-Q. Wang</b> University of Limerick	High performance separation of C8 aromatics	
19:30-20:30		<i>Welcome party</i>	

**Thursday June 7th 2018**

		<i>Session III</i>	chair <b>I. Izzo</b>
09:00-09:30	<b>N. B. Mckeown</b> University of Edinburgh	Structural diversity within a reliable nanoporous molecular crystal	
09:30-10:00	<b>C. Tedesco</b> University of Salerno	Dynamic architecture of macrocycles	
10:00-10:15	<b>R. Schettini</b> University of Salerno	Structural investigation of cyclic octapeptoids	
10:15-10:30	<b>S. Quaresma</b> University of Lisbon	BioMOFs based on azelaic and dipyridamole as potential systems for biomedical applications	
10:30-11:00		<i>Coffee-break</i>	
		<i>Session IV</i>	chair <b>F. De Riccardis</b>
11:00-11:30	<b>M. W. Hosseini</b> University of Strasbourg	Chirality in molecular tectonics	
11:30-12:00	<b>C. H. Görbitz</b> University of Oslo	DNA-inspired porous materials	
12:00-12:30	<b>C. Esterhuysen</b> Stellenbosch University	Mechanisms of guest uptake in copper-based MOFs	
12:30-13:00	<b>L. R. Nassimbeni</b> University of Cape Town	Formation and characterisation of porous inclusion compounds	



13:00-15:00

*Buffet Lunch*

*Session V*

chair **S. A. Bourne**

**A. Comotti**  
University of Milano-Bicocca

Porous supramolecular architectures: ultra-fast molecular rotors and dynamics control by chemical stimuli

15:30-15:45

**N. Burtch**  
Sandia National Laboratories

Negative thermal expansion design strategies in MOFs

15:45-16:00

**J. Gertenbach**  
Malvern-Panalytical

Probing porous materials using a powder diffractometer  
*Sponsored contribution*

16:00-16:30

*Poster session*

16:30-17:00

*Coffee-break*

17:00-17:30

*Poster session*

*Session VI*

chair **P. Neri**

17:30-17:45

**V. Colombo**  
University of Milan

*In situ* crystallography over a interpenetrated MOF for CO<sub>2</sub> adsorption in humid conditions

17:45-18:00

**S. M. F. Vilela**  
IMDEA Energy

A novel bismuth-tetracarboxylate MOF as a proton conductor

18:00-18:30

**J. L. Atwood**  
University of Missouri-Columbia

Porosity of seemingly non-porous organic solids

18:30-18:40

*IUCr Journals Best Poster Prize*

19:30-22:00

*Banquet Dinner*

## Friday June 8<sup>th</sup> 2018

*Session VII*

chair **N. B. McKeown**

09:00-09:30

**G. Guerra**  
University of Salerno

Nanoporous-crystalline polymers and industrial innovations

09:30-10:00

**P. Sozzani**  
University of Milano- Bicocca

Porous materials: the interplay with linear polymers

10:00-10:15

**P. Rizzo**  
University of Salerno

Nanoporous-crystalline polymer films with unexpected high optical activity and circularly polarized luminescence

10:15-10:30

**L. Baldino**  
University of Salerno

From microporous to nanoporous: the role of supercritical CO<sub>2</sub> in the formation process

10:30-11:00

*Coffee-break*

*Session VIII*

chair **L. R. Nassimbeni**

11:00-11:30

**M. Eddaoudi**  
KAUST

MOF design to applications: impact of pore system control on gas separations and storage

11:30-12:00

**S. A. Bourne**  
University of Cape Town

Guest exchange in dynamic frameworks

12:00-12:30

**D. A. Haynes**  
Stellenbosch University

Framework materials from ionic organic components

12:30-13:00

**M. Zaworotko**  
University of Limerick

Taxonomy of porous solids: a crystal engineering perspective

13:00-13:05

*Conclusive remarks*

chair **C. Tedesco & L. J. Barbour**

13:05-15:00

*Lunch*

15:00-23:00

*Excursion*