

Università degli Studi di Trieste

VIII CONGRESSO NAZIONALE
DI CHIMICA
SUPRAMOLECOLARE

Program

Trieste, 19 – 22 Settembre 2007

Wednesday September 19

- 16.00 Registration (University, H3 Building)
- 19.30 Welcome Party (Caffè degli Specchi, Piazza Unità d'Italia)

Thursday September 20

- 8.00 Registration
- 8.30 Opening
- 8.50 PL1 *Chairman: Luigi Fabbrizzi*
Processing energy and signals by molecules
Vincenzo Balzani
- 9.50 OC1 ***Direct conversion of light into mechanical energy via photoreversible self-assembly***
Stefano Masiero, Stefano Lena, Silvia Pieraccini, Gian Piero Spada
- 10.10 OC2 ***Fullerenes: active components in molecular machinery***
Aurelio Mateo-Alonso, Dirk M. Guldi, Francesco Paolucci, Maurizio Prato
- 10.30 OC3 ***Supramolecular properties of clip-shaped organic molecules***
Barbara Branchi, Paola Ceroni, Frank-Gerrit Klaerner, Mauro Maestri, Thomas Schrader
- 10.50-11.20 *Coffee break*
- 11.20 IL1 *Chairman: Luigi Mandolini*
Macrocyclic systems containing large heteroaromatic moieties for recognition and sensing of anionic substrates
Andrea Bencini

- 12.00 OC4 ***Recognition of N-methyl pyridinium and N,N'-dimethyl viologen salts by heteroditopic calix[4]arenes***
 Arturo Arduini, Luca Pescatori, Andrea Pochini, Andrea Secchi, Franco Ugozzoli, Chiara Massera
- 12.20 OC5 ***Molecular recognition of carbohydrates: synthetic tripodal receptors with pyrrolic binding groups***
 Cristina Nativi, Martina Cacciarini, Oscar Francesconi, Gloriano Moneti, Andrea Ienco, Stefano Roelens
- 12.40 OC6 ***Tuning selectivity in supramolecular mass sensors***
M. Melegari, R. De Zorzi, S. Geremia, E. Kalenius, E. Dalcanale
- 13.00-15.00 *Lunch*
- Chairman: Francesco Barigelletti*
- 15.00 PL2 ***Synthesis and applications of functionalized carbon nanotubes***
Maurizio Prato
- 15.50 OC7 ***Calix[4]arene carboxylate derivatives: cation recognition and switching properties***
Teresa Pierro, Francesco Troisi, Carmine Gaeta, Placido Neri
- 16.10 OC8 ***The Programmed Supramolecular Self-assembly of DNA as a Tool for Constructing Static or Dynamic Structures on the Nanoscale***
Giampaolo Zuccheri, Marco Brucale, Alessandra Vinelli, Bruno Samorì
- 16.30 OC9 ***Luminescent single-walled carbon nanotubes***
Gianluca Accorsi, Nicola Armaroli, Andrea Parisini, Davide Bonifazi, Maurizio Prato
- 16.50-17.20 *Coffee Break*

- Chairman: Paolo Scrimin*
- 17.20 IL2 ***Solution and gas-solid self-assembly processes: examples under halogen bonding control***
P. Metrangolo, T. Pilati, G. Resnati
- 18.00 OC10 ***Chiral amplification of chiral porphyrin derivatives by templated heteroaggregation***
Donato Monti, Mariano Venanzi, Manuela Stefanelli, Roberto Paolesse
- 18.20 OC11 ***Supramolecular liquid crystalline materials featuring halogen-bonded mesogens***
D.W. Bruce, P. Metrangolo, F. Meyer, T. Pilati, G. Resnati, G. Terraneo
- 18.40 OC12 ***Chiral porphyrin J-aggregates in AOT microemulsions***
Mariangela Castriciano, Andrea Romeo, Luigi Monsù Scolaro, Valentina Villari, Norberto Micali

Friday September 21

- Chairman: Gianfranco Savelli*
- 8.20 PL3 ***Molecular inclusion in aromatic cavities***
Pablo Ballester
- 9.10 OC13 ***Transfer of chirality from molecules to complex systems***
Giovanna Mancini, Josep M. Ribò, Zoubir El-Hachemi, Alessandro Sorrenti
- 9.30 OC14 ***Recognition and complexation of heavy metal ions in ionic liquids and sol-gel materials***
R. Germani, M. V. Mancini, G. Savelli, N. Spreti

- 9.50 OC15 ***The challenge of configurationally stable macrocyclic uranyl-salophen derivatives: towards new chiral supramolecular receptors and catalysts***
Alessia Ciogli, Antonella Dalla Cort, Francesco Gasparrini, Luigi Mandolini, Chiara Pasquini, Marco Pierini, Luca Schiaffino, Francesco Yafteh Mihan
- 10.10 OC16 ***Clathrate hydrates of hydrogen: a study on the structural requirements of co-former guests***
Pietro Di Profio, Simone Arca, Raimondo Germani, Gianfranco Savelli
- 10.30-11.00 *Coffee break*
- Chairman: Franco Scandola
- 11.00 IL3 ***Photoinduced electron and energy transfer in metal-mediated multi-porphyrin arrays***
M. Teresa Indelli, Franco Scandola, Claudio Chiorboli, Enzo Alessio, Elisabetta Iengo
- 11.40 OC17 ***Tuning the selectivity/specificity of fluorescent metal ion sensors based on N2S2 pyridine-containing macrocyclic ligands by changing the fluorogenic sub-unit: spectrofluorimetric, metal ion binding studies and potential biological applications***
Andrea Bencini, Giovanna Farruggia, Vito Lippolis, Marta Mameli, Luca Prodi, Nelsi Zaccheroni
- 12.00 OC18 ***Photophysics of heteropolynuclear complexes containing ruthenium and osmium tris(bipyridine) and platinum diimine bis(acetylide)***
Barbara Ventura, Andrea Barbieri, Francesco Barigelletti, Julie Batcha Seneclauze, Raymond Ziessel
- 12.20 OC19 ***Design, synthesis and non linear optic (NLO) properties of new push-pull ligands and of their metal complexes***
Valentina Calabrese, Silvio Quici, Marco Cavazzini, Ester Rossi, Claudia Dragonetti, Elisa Tordin

12.40 OC20 ***Photoinduced Processes in an Aluminum-Porphyrin /
Naphthalenediimide Axial Dyad***
Michele Orlandi, Elisabetta Iengo, Sandro Fracasso,
Marcella Ravaglia, Claudio Chiorboli, Franco Scandola

13.00-15.00 *Lunch*

Chairman: Alessandro Casnati
15.00 IL4 ***Self-organized fluorescent chemosensors***
Fabrizio Mancin

15.40 OC21 ***Tayloring, layer-by-layer, the structure of dithiols on gold
surfaces***
G. Scoles, J. Liang and L. Rosa

16.00-16.30 *Coffee Break*

16.30-18.30 *Poster Session*

20.00 *Social Dinner*

Saturday September 22

Chairman: Pietro A. Vigato
8.20 PL4 ***Ligands and metal complexes: old chemistry still alive***
Mauro Micheloni

9.10 OC22 ***Surfactant based photorheological fluids: the effect of
structural changes on the gelation capability***
L. Goracci, R. Germani, G. Savelli, M. Tiecco, E. Carretti,
P. Baglioni

9.30 OC23 ***Supramolecular Strategy for Patterning of Lactoferrin
Using Functional Self-Assembled Monolayers of Iron
Complexes***
N. Tuccitto, N. Giamblanco, A. Licciardello, G. Marletta

- 9.50 OC24 ***Spontaneous self-assembly of C3-symmetric Ti(IV) complexes***
Myriam Mba, Marta Pontini, Elisa Cazzola, Cristiano Zonta, Peter E. Kündig, Giulia Licini
- 10.10 OC25 ***New organogelators based on a 3,4-dihydroxy-pyrrolidine nucleus and their applications***
S. Cicchi, G. Ghini, L. Lascialfari, D. Berti, F. Betti
- 10.30-11.00 *Coffee break*
- Chairman: Giuseppe Arena
- 11.00 IL5 ***From nano to micro-sized porphyrin aggregates***
Luigi Monsù Scolaro
- 11.40 OC26 ***A fluorescent micellar lipophilicity-meter for carboxylates***
Giacomo Dacarro, Franck Denat, Yuri Diaz Fernandez, Piersandro Pallavicini, Luca Pasotti, Stefano Patroni, Yoann Rousselin
- 12.00 OC27 ***Studies on 3-D SAMs composed of a mixture of ligands by ESR spectroscopy***
Cristina Gentilini, Paola Franchi, Marco Lucarini, Lucia Pasquato
- 12.20 OC28 ***Electron donor/acceptor adducts promoted by metal ions coordination***
Massimo Boiocchi, Guido Colucci, Maurizio Licchelli, Enrico Monzani
- 12.40 *Closing Address*
- 13.00 *Lunch*