



**International Symposium on  
Polymer Conetworks,  
Gels and Membranes**  
*- Science, Technology and  
Applications -*

**Budapest, Hungary • September 11-13, 2005**

**PRELIMINARY PROGRAM**

**SUNDAY, SEPTEMBER 11, 2005**

**11:00 — 13:00            REGISTRATION, POSTER MOUNTING**

**12:00 — 13:00            BUFFET LUNCH**

**SESSION CHAIR/DISCUSSION LEADER:            J. C. SALAMONE**

**13:00 — 13:15            OPENING**

**13:15 — 14:00            J. P. KENNEDY**  
Amphiphilic Conetworks: Past — Present — Future

**14:00 — 14:40            S. RIMMER**  
Nanostructured Macromonomer Based Hydrogels Designed for Biomedical Applications

**14:40 — 15:10            S. A. ALTINKAYA**  
Controlled Release of Drugs from Asymmetric Membrane Tablet Coatings: Prediction of Phase Inversion Dynamics

**15:10 — 15:40            BREAK, POSTERS**

**SESSION CHAIR/DISCUSSION LEADER:            J. TILLER**

**15:40 — 16:20            M. HARASZTI**  
The Universal Scheme of APCN Systems. Comprehensive Insight and the Key to Application-Targeted Material Design

**16:20 — 17:00            P. LUTZ**  
Nanostructured Macromonomer Based Hydrogels Designed for Biomedical Applications

**17:00 — 17:40            C. TSVETANOV**  
Preparation of Macro- and Nano-Gel Structures by UV Induced Cross-Linking of Polyethers

**17:40 — 20:00            POSTER SESSION  
RECEPTION**

**MONDAY, SEPTEMBER 12, 2005**

**SESSION CHAIR/DISCUSSION LEADER: J. KOPS**

**9:00 — 9:40**

**C. S. PATRICKIOS**

Well-Defined, Functional Polymethacrylate Model Networks: Synthesis, Characterization and Modelling

**9:40 — 10:20**

**A. MATSUMOTO**

Molecular Design of Novel Amphiphilic Network Polymers Consisting of Short Primary Polymer Chains and Long Crosslink Units with Opposite Polarities Originated from Multiallyl Crosslinking Polymerization

**10:20 — 10:40**

**BREAK, POSTERS**

**SESSION CHAIR/DISCUSSION LEADER: E. GOETHALS**

**10:40 — 11:10**

**J. KANG**

Synthesis of Nanostructured Hydrogels Using PCL-PEO-PCL Triblock Copolymers

**11:10 — 11:40**

**M. VAMVAKAKI**

pH-Responsive Polymer Hydrogels: Synthesis, Characterization and Metal Nanoparticle Formation

**11:40 — 12:10**

**T. C. KRASIA**

Polymethacrylate Amphiphilic Model Networks: Synthesis, by RAFT Controlled Radical Polymerization and Characterization of the Swelling Behavior

**12:10 — 12:50**

**K. ALMDAL**

Synthetic Aspects of Structured Media

**13:00 — 14:00**

**LUNCH**

**SESSION CHAIR/DISCUSSION LEADER: A. MATSUMOTO**

**14:00 — 14:40**

**F. DU PREZ**

Tailor-made Segmented Polymer Networks: Versatile Smart Materials

**14:40 — 15:20**

**J. KÜNZLER**

Recent Advances in Ophthalmic Materials

**15:20 — 15:50**

**BREAK, POSTERS**

**SESSION CHAIR/DISCUSSION LEADER: J. P. KENNEDY**

**15:50 — 16:20**

**J. TILLER**

Amphiphilic Conetworks as Functional Matrices for Phase Transfer Biocatalysis

**16:20 — 17:00**

**I. GITSOV**

Amphiphilic Hydrogels Containing Dendritic or Hyperbranched Crosslink Junctions, and Linear or Star-shaped Poly(ethylene glycol)s

**17:00 — 17:30**

**W. BINDER**

Gels from Hydrogen Bonded Supramolecular Polymers

**19:00**

**SYMPOSIUM DINNER**

**TUESDAY, SEPTEMBER 13, 2005**

**SESSION CHAIR/DISCUSSION LEADER:           A. MÜLLER**

- 8:30 — 9:10                   K. MORTENSEN**  
Combined Neutron and Rheological Studies of Polymer Networks, Revealing Shear-Controlled Texturing and Shear-Induced Instabilities
- 9:10 — 9:50                   A. DOMJÁN**  
Structure and Morphology of the Amphiphilic Conetworks:  
NMR and X-Ray Scattering Studies
- 9:50 — 10:30                 M. VIGILD**  
Nano-porous Elastomers Based on Polymer Self-assembly
- 10:30— 11:00                BREAK**

**SESSION CHAIR/DISCUSSION LEADER:           C. PATRICKIOS**

- 11:00 — 11:30               J. PUSKAS**  
Controlled Drug Delivery from Novel Functionalized Polystyrene Microsphere Networks
- 11:30 — 12:00               N. BRUNS**  
Amphiphilic Polymer Conetworks Comprising One Fluorophilic Phase
- 12:00 — 12:40               B. IVÁN**  
Intelligent Nanostructured Polymer Conetworks and Gels: An Overview
- 12:40 — 12:50               CLOSING**
- 13:00 —                      BUFFET LUNCH**