Programme

Challenges and Prospects of Polymer Chemistry

May 2-4, 2012



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| | Session A: Po | lymers for optoelectronics and energy technology | |
|--|------------------|---|--|
| 09:00 - 09:10 | Opening remarks | | |
| 09:10 - 09:55 | K. Müllen | Synthesizing device properties | |
| 09:55 - 10:25 | Discussion | | |
| 10:25 - 10:55 | G. Hörpel | The key for better batteries are better battery materials | |
| 10:55 - 11:10 | Discussion | | |
| 11:10 - 11:40 | Coffee break | | |
| 11:40 - 12:25 | M. Antonietti | Porous polymers and porous carbonaceous resins for sustainable energy applications | |
| 12:25 - 12:55 | Discussion | Tel cactamante chergy approances | |
| 12:55 - 14:30 | Lunch | | |
| Session B: Responsive polymers for smart materials and systems | | | |
| 14:30 - 15:15 | K. Matyjaszewski | Functional polymers by CRP for energy related applications | |
| 15:15 - 15:45 | Discussion | | |
| 15:45 - 16:15 | S. Hecht | The development of on-surface synthesis of covalent 1D and 2D polymers: En route to bottom-up nanofabrication | |
| 16:15 - 16:30 | Discussion | En route to bottom-up nanotabrication | |
| 16:30 - 17:00 | Coffee break | | |
| 17:00 - 17:45 | G. Decher | The future is soft: Putting polymers to work | |
| 17:45 - 18:00 | Discussion | | |
| 18:00 - 18:30 | A. Laschewsky | What to expect from smart polymers in aqueous systems? Facts and fancy | |

Thursday, May 3

Dinner and open end

Discussion

18:30 - 19:00

as of 19:30

| Session C: Polymers for high resource- and energy effectiveness | | | |
|---|--------------|---|--|
| 09:00 - 09:30 | J. Rühe | Stimulus responsive polymers | |
| 09:30 - 10:00 | Discussion | From changes in the molecular conformation to interactive systems | |
| 10:00 - 10:30 | M. Thelakkat | How to control and tune the morphology in semiconductor polymers? | |
| 10:30 - 10:50 | Discussion | | |
| 10:50 - 11:20 | Coffee break | | |
| 11:20 - 12:05 | I. McCulloch | Semiconducting polymers for transistors and solar cells | |
| 12:05 - 12:35 | Discussion | | |
| 12:45 - 14:30 | Lunch | | |





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| Thursday, | May 3 |
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| 14:30 - 15:15 | S. Mecking | Beyond polyolefins by functional group tolerant catalysis |
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| 15:15 - 15:45 | Discussion | |
| 15:45 - 16:15 | A. Schneller | Advanced materials and systems Enabler for innovation and sustainability |
| 16:15 - 16:30 | Discussion | , |
| 16:30 - 18:00 | Poster session and | d coffee |
| 18:00 - 18:45 | M. Möller | Hierarchically self-assembly of mono- and multilayers Multilayer polymerosomes and functional oligothiophene films |
| 18:45 - 19:15 | Discussion | |
| as of 19:30 | Dinner | |
| as of 21:30 | Poster session and | d wine |

Friday, May 4

| Session D: | Supramolecula | ar polymers |
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| | Session D: St | upramolecular polymers |
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| 09:00 - 09:45 09:45 - 10:05 | R. Nolte Discussion | Functional self-assembled architectures from polymers and proteins |
| 10:05 - 10:35 | H.W. Schmidt | Supramolecular chemistry entering polymer technology |
| 10:35 - 10:50 | Discussion | |
| 10:50 - 11:10 | Coffee break | |
| 11:10 - 11:55 | J.M. Lehn | Dynamers: Dynamic molecular and supramolecular polymers |
| 11:55 - 12:15 | Discussion | |
| 12.15 - 12:45 | N. Giuseppone | Towards self-constructing functional materials |
| 12:45 - 13:00 | Discussion | |
| 13:00 - 14:30 | Lunch | |



