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PATENTE

ANGARANO, M.
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Novel adhesive means which can be used in a planar manner, production and use thereof

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Phase-segregated block copolymers with tunable properties

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Polyamide composites containing graphene and composite production

BASF SE / US Pat.Appl.Publ. US 20140225026 A1 20140814

SHASTRI, V.P.
FORGET, A.
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Methods for purifying polysaccharides and pharmaceutical compositions and medical devices containing the same

United States Utility Patent Application

DISSERTATIONEN

BECKERT, Michaela	Stickstoff-funktionalisiertes Graphen für Polyamid 12 – Nanokomposite, Katalyse und Brennstoffzellen
BÖHM, Ricarda	Tannin and hydroxypropylated tannin as bio-based building blocks for rigid foams, wood adhesives and polyurethane thermosetting plastics
BODENDORFER, Simon	Maßgeschneiderte Mehrzentren-Trägerkatalysatoren und Tandem-Katalyse für selbstverstärkende Polyethylen-Reaktorblends und Mehrlagen-Graphen-Nanokomposite
BURGER, Dominik	Herstellung, Modifikation und Analyse sterisch stabilisierter, fluorierter Modellkolloide in wässriger Dispersion
BURGER, Stefanie	Einfluss von Attraktionsreichweite und Vernetzungsgrad auf das Phasenverhalten von Polymer-Mikrogel-Dispersionen
CHRISTENSEN, Jon	Identification of Novel Therapeutic and Prognostic Targets in Cancer and Development of <i>in vivo</i> Real-Time Tumor Imaging System
HOFMANN, Daniel	Funktionalisiertes Graphen als multifunktionales Additiv und Nanofüllstoff für die Schmelzcompounding von Thermoplasten und thermoplastischen Elastomeren
NICOLI, Elena	Study of Strategies for Increasing Biocompatibility and Effectiveness of Polyethylenimine Carriers for Gene Therapy
RITTER, Benjamin S.	Thermoplastische, biobasierte, polyethylen-ähnliche Polyester und isocyanatfreie Darstellung biobasierter Polymere unter vollständiger stofflicher Nutzung
STÜRZEL, Markus	Selbstverstärkende Polyethylenreaktorblends und Graphen-Nanokomposite durch heterogene Mehrzentrenkatalyse
SCHWABE, Jeremia	Gibbsit- und Aluminiumoxid- Einkristallnanoplättchen für PE-Nanokomposite, Mehrzentrenträgerkatalysatoren und selbstverstärkendes Polyethylen
TSCHOPPE, Katrin	Funktionalisiertes Graphen und neue Kohlenstoffnanofüllstoffe für Epoxidharze

MASTERARBEITEN

BROLL, Sebastian	Synthese von Diketopyrrolopyrrol-Tetrafluorbenzolcopolymeren mittels direkter C-H Arylierungspolykondensation
BURK, Laura	Mechanochemisch funktionalisierte Graphene für Kohlenstoff / Polypropylen-Nanokomposite
KEMPE, Fabian	Alkylierung von Spiropyranen mittels Kumada- und Suzuki-Kreuzkupplungen
MÜLLERS, Stefan	Kovalente Funktionalisierung von Graphen mit Poly(3-hexylthiophen) <i>via</i> Diels-Alder Reaktion
PÖSSEL, Burkhardt	Isocyanatfrei-hergestellte Polyurethan-Nanocomposite auf Basis von nanoskaligen Gibbsit-Einkristallen
SCHMIDT, Simon	Synthese von alkylierten Spiropyranen mittels 9-BBN-basierten Suzuki-Kreuzkupplungen
ZHONG, Fan	Functionalized Gibbsite and Gibbsite supported catalysts for PE reactor blends

BACHELORARBEITEN

BLEIZIFFER, Alexander	Synthese teilkristalliner, isocyanatfrei hergestellter Polyurethannetzwerke auf Basis nachwachsender Rohstoffe
DECKER, Stefan	Rheologische Eigenschaften von hyperverzweigtem Polyglycerin mit variablem Verzweigungsgrad
GÖPPERT, Natalie Elisabeth	Isocyanatfrei hergestellte Polyurethannetzwerke aus sorbitolbasierten, cyclischen Carbonaten
HECHENBICHLER, Michelle	Synthese Squalen-basierter Elektrolyte für Natriumionenbatterien
HIMMELSBACH, Andreas	Optische Selbstheilung durch migrierfähige Amphiphile in iPP-Kompositen
KAISER, Jan	Synthese von selbst-dotierenden Naphthalindiimid-Derivaten
LUITZ, Manuel	Isocyanatfreie Synthese thermoplastischer Polyurethane auf Basis von Butadiendicarbonat durch Reaktionsextrusion
MADER, Markus	Synthese Borat basierter Elektrolyte und deren Anwendung in Superkondensatoren
MANGOLD, Mikel	Semikristalline NIPUs auf Basis von Cashew Nutshell Liquid
MARX, Franziska	Modellreaktionen an Di(thienyl)benzothiadiazol zur Untersuchung von C-H Selektivitäten bei der direkten C-H Arylierungspolykondensation
NGYEN, Duy Thong	Einfluss der Methylierung auf die thermorheologischen Eigenschaften von linearen Polyglycerinen
OBERMAYER, Johannes	Synthese von Bis(2-thienyl/furyl)naphthalindiimid-Tetrafluorbenzolcopolymeren via direkter C-H Arylierung
PARISON, Karsten	Isocyanatfreie Synthese von thermoplastischen, teilkristallinen Polyurethanen
RABE, Anna	Charakterisierung kolloidaler Dispersionen von Polystyrol-Mikrogelen
RIEHLE, Felix	Copolymerisation von ortho-Spiropyranen mittels Suzukipolykondensation
SCHWEIGERDT, Alexander	Synthese von Amin-funktionalisierten Fluorenen für den Einsatz in Perowskit Leuchtdioden

STRAUB, Paula	Radikalfunktionalisierung von Graphen via Diels-Alder-Reaktion zur Anwendung als Energiespeicher
TRITSCHLER, Benedikt	Synthesis and Characterization of Biodegradable Segmented Polyurethanes with Various Transition Temperatures for Shape Change
WOLFF, Raffael	Verstärkungswirkung kohlenstoffbasierter Füllstoffe in einem kommerziellen Ethen-1-Octencopolymer

VORTRÄGE UND POSTER

1. BARTSCH, E. Fluidization of highly concentrated colloidal dispersions by tailoring of attractive interactions
Jülich Soft Matter Days, Bad Honnef, September 2015 INVITED TALK
2. BURCHARD, W. Hyperbranching and Excluded Volume Interactions
Scientific Wyatt Conference on Light Scattering, Dettingen, 2015
3. BURCHARD, W.
SCHNEIDER, J.
WERNER, M. Some principles on Properties of hyperbranched polymers including excluded volume interactions
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4. BURCHARD, W. Polymers in Confinements
Seminar Contribution, AK Bartsch, Freiburg, December 2015
5. FRIEDRICH, C. Rheology and Soft Matter
MAINZ Graduate School, Mainz, July 2015
6. FRIEDRICH, C. Thermo-rheological behavior of hyperbranched Polyether-Polyols: Role of molecular weight and functionality
2nd International Workshop on Dendrimers & Hyperbranched Polymers, Freiburg, November 2015
7. KIESSLING, A.
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8. KIESSLING, A.
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BARTSCH, E. Nanoscale Analysis of Scratch Resistant Nano-Structured Coatings by Forced-Rayleigh Scattering
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9. KIESSLING, A.
LE HOUÉROU, V
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BARTSCH, E. Nanostructured Composites: From Molecular Diffusion to Macroscopic Performance
IACIS 2015, Mainz, May 2015 POSTER

10. LESNICHII, V.
LUTZ, P.
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VENIAMINOV, A
Tracer and polymer chain diffusion in the vicinity of glass transition studied by Forced Rayleigh Scattering
5th SoMaS School, Mittelwihr, France, July 2015, POSTER
11. LESNICHII, V.
BARTSCH, E.
VENIAMINOV, A.
Study of diffusion in bulk polymer films below glass transition: evidences of dynamical heterogeneities
IX International Conference «Optics-2015», Saint-Petersburg, Russia, October 2015, POSTER
12. LESNICHII, V.
BARTSCH, E.
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Similarities in bifurcational behavior of diffusion coefficients in some bulk and thin polymer films below T_g
IRTG Fall Workshop, Breisach, Germany, October 2015, TALK
13. LINDNER, P.
BURGER, S.
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Investigation of deswelling of highly crosslinked polystyrene microgel colloids in colloid-polymer mixtures close to the glass transition
14. LOMBECK, F.
KOMBER, H.
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Compatibilization of conjugated polymer-polymer blends with semiperfluorinated all-conjugated block copolymers
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15. LOMBECK, F.
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Compatibilization of conjugated polymer-polymer blends with semiperfluorinated all-conjugated block copolymers
European Conference on Molecular Electronics, Strasbourg, September 2015
16. MATLOUBI, M.
BLUMENTHAL, N.
SHASTRI, V.P.
Novel biodegradable polyurethane for thermally activatable cardiovascular stents
Macromolecular Colloquium, Freiburg, Germany, February 2015
17. MATLOUBI, M.
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SHASTRI, V.P.
Degradation and cellular compatibility of poly(hydroxy acid)-based segmented polyurethanes
European Society for Biomaterials Conference (ESB 2015), Krakow, Poland, September 2015
18. MATLOUBI, M.
BLUMENTHAL, N.
SHASTRI, V.P.
Tunable biodegradable polyurethane with thermal activation cues at human body temperature
European Society for Biomaterials Conference (ESB 2015), Krakow, Poland, September 2015
19. MÜLHAUPT, R.
Green Polymer Chemistry
European Coatings Congress, Nürnberg, April 2015

20. MÜLHAUPT, R. Ressourceneffizienz und 'All-Polyethylene'-Nanocomposite für den Leichtbau durch Tandem-Katalyse, kompartimentierte Multizentren-Katalysatoren und meso-skopische Formreplikation (multiKAT)
*„i-WING 2015 – Vom Material zur Innovation“
Konferenz des BMBF, Dresden, April 2015*
21. MÜLHAUPT, R. New Horizons in Sustainable Materials Research
*GDCh-Vortrag an der Universität Konstanz,
April 2015*
22. MÜLHAUPT, R. Makromolekulare Chemie: Von Hermann Staudinger bis hin zu vielseitigen polymeren Stoffen und multifunktionalen Systemen
*Schülertage Albert-Ludwigs-Universität Freiburg
April 2015*
23. MÜLHAUPT, R. Grüne Kunststoffe
Rotary Club Freiburg, Mai 2015
24. MÜLHAUPT, R. Catalyst-mediated nanostructure formation and all-polyethylene composites
*European Polymer Congress 2015, Dresden,
Juni 2015*
25. MÜLHAUPT, R. Polymerization catalysis for high resource- and energy-efficiency
GDCh-Vortrag an der Friedrich-Schiller-Universität Jena, Juli 2015
26. MÜLHAUPT, R. Concepts and Methods in Soft Matter: Tailor-made polymers
*SoMaS Summer School, Mittelwihr/Frankreich,
Juli 2015*
27. MÜLHAUPT, R. Polyolefins: From the lab to the industry
*SoMaS Summer School, Mittelwihr/Frankreich,
Juli 2015*
28. MÜLHAUPT, R. Sortenreine molekulare Verbundwerkstoffe für den nachhaltigen Leichtbau susCOMP
*FhG für Werkstoffmechanik/Leistungszentrum
Freiburg, Juli 2015*
29. MÜLHAUPT, R. 3D Printing of Biomaterials and Batteries
*Sustainability Summit FhI für Kurzezeitdynamik
Freiburg, Oktober 2015*

30. NÜBLING, F.
SOMMER, M. Electron cascade reactions in hierarchically nanostructured polymer solar cells
*“Funktionelle Nanostrukturen” Kompetenznetz
Baden-Württemberg Stiftung
Bad-Herrenalb, Oktober 2015*
31. SAREM, M
BARBERO, A.
ARYA, N.
MARTIN, I
SHASTRI, V. P. Bone Like Microenvironment Induces Hypertrophy in Phenotypically Stable Nasal Chondrocytes
*Orthopedic Research Society Las Vegas, USA
March 2015*
32. SAREM, M
BARBERO, A.
SALAVEI, P.
MARTIN, I
SHASTRI, V. P. Bone Engineering via Provisional Cartilage Matrix: Can Bone-Like Nano Hydroxyapatite Play a Role?
*Oral Presentation
Materials Research Society conference,
San Francisco, USA April, 2015*
33. SAREM, M
LÜDEKE, S.
THOMANN, R.
SHASTRI, V. P. Nucleation and Growth of Bone-Like Hydroxyapatite via Controlled Conformational Changes in Highly Phosphorylated Proteins
Las Vegas, USA, April 2015
34. SCHAERTL, N.
PALBERG, T.
BARTSCH, E. Crystallization of binary colloidal mixtures
DPG Frühjahrstagung, Berlin, März 2015, TALK
35. SCHAERTL, N.
PALBERG, T.
BARTSCH, E. First observation of the Laves phase in hard sphere colloidal mixtures
ECIS, Bordeaux, September 2015, TALK
36. SCHAERTL, N.
PALBERG, T.
BARTSCH, E. The Laves phase in binary hard sphere-like colloidal mixtures
*Tag der Forschung an der Fakultät für Chemie und Pharmazie 2015, Albert-Ludwigs-Universität,
Freiburg, Juli 2015, POSTER*
37. SCHIEFER, D.
WEN, T.
WANG, Y.
KOMBER, H.
BRAUNSTEIN, P.
REITER, G.
SOMMER, M. Synthesis of Highly Regioregular Polythiophene with Bulky Side Chains and its Anisotropic Photophysical Properties in Large Spherulites
Makromolekulares Kolloquium, Freiburg, Februar 2015
38. SCHNEIDER, J.
RABE, A.
WIEMANN, M.
BARTSCH, E. Investigation of small deviations from true hard sphere behavior using polystyrene microgels of different cross-linking density
Jülich Soft Matter Days, Bad Honnef, September 2015, POSTER

39. SHASTRI, V.P. Functional Systems for Tissue Regeneration and Targeted Therapeutics
Advanced Functional Polymers for Medicine 2015, March 2015, Galway, Ireland
40. SHASTRI, V.P. Biophysical Cues in Tissue Morphogenesis
Seminar in Prof. Fratzl's group, MPI of Colloids and Interfaces, Postdam, Germany, May 2015
41. SHASTRI, V.P. Unraveling the Biophysical Cues in Cellular Organization
Adolphe Merkle Institute, University of Fribourg, Fribourg, Switzerland, May 2015
42. SHASTRI, V.P. Unraveling the Biophysical Cues in Cellular Organization
10th Materials' Days, University of Rostock, Rostock, Germany, June 2015
43. SHASTRI, V.P. Mechanobiology in the Vascular Development and Central Nervous System
CEITEC/ICRC Annual Conference "Frontiers in Life and Materials Sciences: Creating Life in 3D", Brno, Czech Republic, June 2015
44. SHASTRI, V.P. Biomineralization – a Confluence of Biophysics and Biology: Challenges and Opportunities
MRS Webinar on Biomineralization, July 2015
45. SHASTRI, V.P. BIOS Area C: Achievements, Goals and Outlook
BIOS Retreat, Schluchsee, Germany, July 2015
46. SHASTRI, V.P. Biophysical Cues and Their Role in Tissue Morphogenesis
IEEE Engineering in Medicine and Biology Society 2015, Milan, Italy, August 2015
47. SHASTRI, V.P. Articular Chondrocyte-Derived Chondrogenesis in ArcGels
Helmholtz Virtuelles Institut – Consortium Meeting, Berlin, Germany, September 2015
48. SHASTRI, V.P. Multi-Modal Imaging to Visualise Tumours
Microscopy Congress 2015, London, UK, November 2015
49. SHASTRI, V.P. Flavoring Nanoparticles for Cell Uptake
SFB Lecture, Mainz, Germany, December 2015

50. SOMMER, M. Compatibilizing Fluorinated All-Polymer Blends for Photovoltaics
Abschlussstreffen DFG Schwerpunktprogramm "Elementarprozesse organische Photovoltaik" Bad Honnef, Januar 2015
51. SOMMER, M. Dynamic functional materials based on spiropyran
FIT Kolloquium, Freiburg, Februar 2015
52. SOMMER, M. Direct arylation in material science: better than Stille and Suzuki cross-coupling?
Makromolekulares Kolloquium, Freiburg, Februar 2015
53. SOMMER, M. Synthese und Defektanalyse konjugierter Polymere
Chemiedozententagung, Regensburg, März 2015
54. SOMMER, M. Main chain defects in conjugated polymers
International conference on light harvesting processes, Kloster Banz, März 2015
55. SOMMER, M. Conjugated polymers: Old questions, new syntheses and high performance materials
IRTG Seminar Institute Charles Sadron, Strasbourg, März 2015
56. SOMMER, M. Direct arylation in material science: better than Stille and Suzuki cross-coupling?
Max-Planck-Institut für Polymerforschung, Mainz, März 2015
57. SOMMER, M. Direct arylation in material science: better than Stille and Suzuki cross-coupling?
Synthesis Seminar Universität Wuppertal, Juni 2015
58. SOMMER, M. New approaches to cross-linking graphene for controlling porosity of carbon materials
GONET Auftakttreffen Fraunhofer Institut für angewandte Festkörperphysik, Freiburg Juni 2015
59. SOMMER, M. The advent of direct arylation polycondensation in material science: exploiting greener reaction schemes for the synthesis of high performance conjugated materials
European Polymer Congress Dresden, Juni 2015
60. SOMMER, M. High performance conjugated polymers via C-H Arylation
International conference on functional pi-systems, Seattle Juli 2015

61. SOMMER, M. New syntheses of optoelectronic and responsive polymers
Vorstellungsvortrag W3 Professur Chemnitz, Juli 2015
62. SOMMER, M. C-H Arylation in material science
Simon Fraser University Vancouver, Juli 2015
63. SOMMER, M. Greener reactions to optoelectronic and responsive conjugated materials
Vorstellungsvortrag W3 Professur Freiburg, September 2015
64. SOMMER, M. The advent of direct arylation polycondensation in material science: sustainable routes to conjugated polymers
Bayreuther Polymersymposium, September 2015
65. SOMMER, M. The advent of direct arylation polycondensation in material science: sustainable routes to high electron mobility conjugated polymers
European conference for molecular electronics, Strasbourg, September 2015
66. SOMMER, M. Sustainable routes to high performance conjugated materials
GDCh Habilitandenworkshop Leverkusen, September 2015
67. SOMMER, M. Elektronenkaskadenreaktionen in hierarchisch nanostrukturierten effizienten Polymersolarzellen
Auftakttreffen Funktionelle Oberflächen und Materialien für eine nachhaltige Energieversorgung, Bad Herrenalb, Oktober 2015
68. SOMMER, M. Conjugated and responsive polymers: defect structures, new syntheses and high performance materials
SFB Transregio Seminar Universität Halle, Dezember 2015
69. SOMMER, M. Conjugated and responsive polymers: defect structures, new syntheses and high performance materials
Adolphe Merkle Institute Fribourg, Dezember 2015
70. SOMMER, M. Simple avenues to defect-free and high performance conjugated polymers
Winterschool Politecnico Milano, Bormio, Dezember 2015

71. WILHELM, M.
RATZSCH, K.F.
FRIEDRICH, C. Rheo-SAXS, Rheo-NMR and Rheo-Dielectric to bridge length and time scales in polymers
10th Annual European Rheology Conference (AERC2015), April, Nanntes, F (P)
72. WYSS P. Nanoparticles with bone targeting capabilities for multimodal imaging
4th international meeting for Multifunctional, Hybrid and Nanomaterials, Barcelona Spain, March 2015

VERANSTALTUNGEN

Makromolekulares Kolloquium Freiburg, Februar 2015 (circa 700 Teilnehmer)

DOKTORANDEN

AHRENS, Lucas
BURKARD, Jochen
BURK, Laura
BLATTMANN, Hannes
BLUMENTHAL, Nils
BODENDORFER, Simon
BURGER, Dominik
BURGER, Stefanie
CHRISTENSEN, Jon
DOLD, Martin
GISIN, Joshua
GÖLDEN, Simon
HAMEURY, Sophie
HEGE, Cordula
HEINY, Markus
HERRERA, Laura Cecilia
HOFMANN, Daniel
HUBER, Michael
KASPER, Patrick
KEINATH, Michaela
KIESSLING, Andy
KIRSCHVINK, Felix
LAMICHHANE, Surya
LAZAR, Ion
LESNICHII, Vasillii
LOMBECK, Florian

MATLOUBI, Maziar
MATHAIYAN, Nehrukumar
NÜBLING, Fritz
OELKER, Katharina
PÖSSEL, Burkhardt
RITTER, Benjamin S.
RUKEYAMU, Matztisidike
SAMADI, Mariam
SAREM, Melika
SCHÄRTL, Nicole
SCHIEFER, Daniel
SCHLECHTENDAHL, Mark
SCHIMPF, Vitalij
SCHMIDT, Stanislaus
SCHNEIDER, Jochen
SCHREIBER, Andreas
SCHWABE, Jeremia
STARCK, Laurent
STÜRZEL, Markus
WERNER, Marcel
WOLF, Jürgen Daniel
WYSS, Pradeep
XIANG, Shengnan
YAO, Chunyan
ZHANG, Weihai
ZHANG, Wenli

STUDENTEN IM
MASTERSTUDIUM

DITASARI, Amanda Arvian
KAISER, Jan
KEMPE, Fabian
KUHLMANN, Jochen
KUNZ, Susanna
METZLER, Lukas
MÜLLERS, Stefan
NI, Qian
RAISCH, Maximilian
SCHMIDT, Simon
SEHL, Elmar
STEGERER, Dominik
STRAßEL, Karen
TRÖTSCHLER, Tobias
WERNER, Marcel
XU, Liang
YANG, Yuan
YOUNGHUN, Shin
ZHANG, Chen

STUDENTEN IM
BACHELORSTUDIUM

BLEIZIFFER, Alexander
BOZIC, Michael
BUCHHEIT, Hannah
GÖPPERT, Natalie
HALDA RIBEIRA, Anielen
HECHENBICHLER, Michelle
HUBER, Laura
LEONHARDT, Jens
LUITZ, Manuel
MANGOLD, Mikel
MADER, Markus
MARX, Franziska
OBERMAYER, Johannes
PAFFRATH, Lukas
PFOHL, PATRIZIA
RABE, Anna
RIEHLE, Felix
SCHMIDT, Gabriela
SCHWEIGERDT, Alexander
STRAUB, Paula
TRITSCHLER, Benedikt

GASTVORTRÄGE

im Institut für Makromolekulare Chemie der Universität Freiburg im Breisgau

(im Rahmen des Gemeinsamen Seminars über makromolekulare und physikalische Chemie und des IRTG: Soft Matter Science)

1. 07.01.15 PROF. DR. JAN DE BOER
Maastricht University Niederlande
Engineering the biology of bone regeneration
2. 14.01.15 DR. RALF P. RICHTER
Biological hydrogels – from supramolecular organization and dynamics to biological function
3. 21.01.15 PROF. DR. EDUARDO FERNANDEZ-MEGIA
GATG Dendrimers: Bioapplications, Multivalency and Dynamics
4. 28.01.15 PROF. DR. JENS-UWE SOMMER
Crossing barriers: Passive transport of polymers and nano-particles through lipid bilayer membranes
5. 11.02.15 DR. VÉRONIQUE TRAPPE
Co-nonsolvency at the transition between solvation mechanisms
6. 22.04.15 PROF. DR. ULLRICH STEINER
Kinetic evolution of structure formation in polymer films for organic photovoltaics
7. 29.04.15 PD DR. FALKO ZIEBERT
Universal properties of growing interfaces
8. 06.05.15 PROF. DR. ALEXANDER ROHRBACH
Cellular biophysics on the small and fast scale
9. 13.05.15 PROF. DR. MARKUS RETSCH
Colloidal Assembly Structures and their Role in Energy Conversion and Conservation
10. 03.06.15 DR. DORU CONSTANTIN
The membrane-mediated interaction between nano-objects
11. 10.06.15 PROF. DR. PAOLO SAMORI
From chemical complexity to multifunctional low-dimensional materials

12. 24.06.15 PROF. DR. HARTMUT LÖWEN
Active Soft Matter Systems
13. 01.07.15 DR. KAI ZHANG
Conjugated porous polymers for visible light photocatalysis: a metal-free alternative
14. 22.07.15 PROF. DR. ERNST RÖSSLER
Field-cycling NMR: From simple relaxometry to molecular rheology
15. 23.07.15 PROF. DR. REINHOLD W. LANG
SolPol – A Science-Driven Austrian Research Initiative on Polymeric Materials for Solar Energy Technologies
16. 13.07.15 PROF. DR. ALFRED BLUME
Interactions of polyphilic molecules with model membranes and monolayers
17. 15.07.15 DR. JACK F. DOUGLAS
Numerical Path-Integration Computation of the Transport Properties of Polymers nanoparticles and Complex Biological Structures
18. 07.10.15 PROF. DR. ALEXEI LIKHTMAN
Relaxation of surface tension and dynamic contact angle in simple liquids
19. 21.10.15 PROF. DR. HEIKO HEERKLOTZ
Activity and selectivity of membrane permeabilizing peptides
20. 28.10.15 PROF. DR. CHRISTIAN WAGNER
Adhesion strengths, shapes and the dynamics of macromolecule-induced cell clusters at stasis and in microcapillary flow
21. 05.11.15 PD DR. ANDREAS MENZEL
Mesoscopic modeling of magnetic gels
22. 18.11.15 DR. NICOS MARTYS
Computational Modelling of Suspensions: From Hard Spheres to Superballs to Concrete
23. 25.11.15 PROF. DR. HELMUT SCHLAAD
Functional polymers from amino acids and sugars
24. 26.11.15 PROF. DR. TATIANA BIRSHTEIN
Layered structure of planar Dendron brushes
25. 04.12.15 DR. HANS RIEGLER
Nanoaggregates, bubbles, droplets and thin films: The influence of interfacial energies in confined systems

26. 09.12.15 PROF. DR. JÜRGEN KLINGAUF
Xenapses: pure presynaptic structures induced by direct neuronal interfacing on functionalized microstructure coverslips
27. 16.12.15 DR. STEFAN WALHEIM
Polymer-based Nanotechnology and Self-Assembled Monolayers:
From Polymer Blend Lithography to the Salvinia-Effect