

Assembly of Colloidal Particles

15th Zsigmondy Colloquium of the German Colloid Society

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Leibniz-Institut für Polymerforschung Dresden e. V.

Chairman: Dr. Tobias A.F. König, email: zsigmondy2019@ipfdd.de

Program Overview Poster Sessions

Location: Seminar Room MBZ. *This list is in alphabetical order.*

	Name	Title
1	Anja Maria Steiner	Controlled fragmentation of quasi-infinite particle chains into oligomeric subchains under the influence of external strain
2	Anna Schulte	Template-assisted fabrication of poly(vinyl alcohol) nanostructures for cell studies
3	Claudia Marschelke	Programmable and Reversible Assembly of Charged Hybrid Janus and Non-Janus Particles: From (Half-)Raspberry to Chain-Like Clusters
4	Claudia Marschelke	Insights into the Immobilization of Enzymes onto Hybrid Isotropic and Janus Particles
5	Daniel Peter Szekrényes	Self-assembly of molecules and nanoparticles on gold nanorods
6	Daniel Schlattmann	Studies of the influence of isomer structure of additives on the phase transition of thermoresponsive Poly(N-isopropylacrylamide) microgels
7	Daniel Schletz	Stochastic Confinement Assembly: A True Random Number Generator using Silver and Gold Nanospheres
8	Dimitri Wilms	Effect of PEGylation of Multivalent Polymeric Compounds on Inhibition of Adhesion by Soft Glycocalyx Mimicking Hydrogels
9	Dominik Benke	Self-assembly of colloidal monolayers with anisotropic polymer particles
10	Fabian R. Goßler	Active plasmonic colloid-to-film-coupled cavities for tailored light-matter interactions
11	Fabian Schröer	Gotta Catch 'EM ALL: PEG-based microgels for selective inhibition of pathogens
12	Hyung Seok Choi	Design and synthesis of non-cadmium quantum dots for the application in high performance light emitting diodes
13	Jil Mann	Controlling hierarchical self-assembly of diblock copolymers
14	Jingjing Ye	Nano-electronic components built from DNA templates
15	Karina Abitaev	From polymer nanoparticles towards mesoporous materials: influence of the particle size and polydispersity
16	Marisa	Formation of conducting polymer by plasmon induced photopolymerization

	Hoffmann	
17	Martin Mayer	Design of Colloidal Building Blocks: Merging the Advantages of Silver and Gold
18	Max Schnepf	Coherent energy transfer in an asymmetric colloidal nanocavities
19	Nadine Schwaar	Fabrication of Microsieves with integrated supportig structure for wastewater treatment
20	Nicole Behme	Hierarchical Membranes in one step
21	Olha Aftenieva	Full reciprocal space analysis of colloidal plasmonic nanostructures
22	Pascal Fandrich	Synthesis of Smart Microgels in a Flow Reactor
23	Pia Madeleine Otto	Core-Shell Microgel Particle Morphology Investigated by Super-Resolution Microscopy
24	Qasim Alhusaini	Development of Enzyme Responsive Biosensors Based on Nanoporous Silicon Rugate Filters for the Detection of Bacterial Enzymes
25	Rebeca Fortes Martín	Potential Self-Assembly of Nanoparticles at the Interface of Microemulsions
26	Ruosong Wang	Anisotropic Core/Satellite Au Nanoassembly for SERS Application
27	Salvatore Chiera	Investigation of reaction parameters in one-step surfactant-free emulsion polymerization reactions
28	Teresa Walter	Cell interactions with nanostructured surfaces
29	Tobias Jurczyk	Colloidal Quasicrystals
30	Tobias Lauster	Optical broadband characterisation of silica particles in chitosan thin films
31	H. C. Tomohiro Schollbach	Drying of colloidal suspensions of hard spherical particles on soft swollen hydrogels
32	Ulrich Kemper	Synthesis of nickel nanoparticles using DNA Origami molds
33	Vaibhav Gupta	Surface Lattice Resonances in the Visible Optical Range by Soft Lithography Templates and Directed Self-Assembly
34	Vanessa B. Leffler	2D Nanostructures from Block Copolymer Coated Nanoparticles
35	Yannic Brasse	A Switchable Metasurface as Near-Perfect Absorber
36	Yixuan Du	Synthesis of colloidal BaTiO ₃ nanoparticles with paramagnetic properties