

Montag, 14. Oktober 2019

ab 09:00 Empfang

- 10:00 **Carl Schirmeister (Mülhaupt)**
Multidirectional All-Hydrocarbon Composites for Additive Manufacturing
- 10:15 **Anne Asmacher (Mülhaupt)**
Dual-cure resin formulations for photobased 3D printing with high thermal dimensional stability
- 10:30 **Julia Melke (Fischer)**
Structure Activity Correlations between Mesoporous Carbons and V^{4+}/V^{5+} Redox Kinetics
- 10:45 **Lisa Ebers (Laborie)**
Lignin-based and Multiphase Bio-Inks for Direct Ink Writing
- 11:00 **Lea Eisele (Krossing)**
Coating of $LiNi_{0.85}CO_{0.10}Mn_{0.05}O_2$ Cathode Material with $Al^0@Al_2O_3$ and Subsequent Treatment with Anhydrous HF

11:15 – 11:45 Kaffeepause

- 11:45 **David Müller (Würfel/Glunz)**
Energy Harvesting for Indoor IoT Applications with Organic Photovoltaics
- 12:00 **Levente Szanto (Friedrich)**
Flow induced crystallization of multimodal PE blends
- 12:15 **Venkata Surapaneni (Speck)**
Plant surface microstructures and their influence on insect adhesion
- 12:30 **Gauthier Desmaizieres (Esser)**
Phenothiazine-Based Polymers as Cathode Materials for Organic Batteries

12:45 – 14:00 Mittagspause

- 14:00 **Michael Becker (Balle)**
Serielles Ultraschallpunktschweißen von Aluminium/Stahl-Verbunden (Multi-spot ultrasonic welding of Al/Steel-joints)
- 14:15 **Oskar Till (Elsässer)**
Towards a DFT based formalism for calculating electron wind forces in intermetallic alloys
- 14:30 **Michael Schütz (Fiederle)**
Material discrimination and identification with Medipix3RX and Timepix3 detectors with CdTe sensors
- 14:45 **Saskia Gröer (Walther)**
3D DNA Hollow Nanocylinders
For Reversible Step-Growth Polymerization into 1D Fibrils

15:05 – 15:30 Kaffeepause

- 15:30 **Dorothea Helmer (Rapp)**
New materials for 3D printing, wetting and biofunctionalization
- 15:45 **Oswald Prucker (Rühe)**
Surface-attached polymer networks via C,H insertion crosslinking
- 16:00 **Regine Süss /Philipp Kurz**
Wound treatment by gels containing „natrium chlorosum“: preparation, characterisation – and many open questions!
- 16:15 **Harald Hillebrecht**
From MAX and MAB to MXene and MBene
- 16:30 **Valentin Radtke (Krossing)**
Sauer?!? Was heißt hier sauer
- 16:45 **Ende des ersten Tages für das Auditorium**
- 17:00 **Mitgliederversammlung**
- 19:00 **Abendessen**

Dienstag, 15. Oktober 2019

09:15	Tobias Ensslen (Behrends) Mechanistic principles of high-resolution discrimination of polymers with membrane protein pores
09:30	Gopakumar Sivasankarapillai (Laborie) Potential of Organosolv Lignin Based Materials in Pressure Sensitive Adhesive Applications
09:45	Valeria Murgulov (Fiederle) Growth and characterisation of radiation sensors based on single crystals of hybrid methylammonium lead bromide perovskite
10:00	Julian Martin (Fischer) Sustainable carbon materials for fuel cell applications
10:15 – 10:45 Kaffeepause	
10:45	Michael Krummer (Hillebrecht) Investigation of the photoluminescence properties of perovskite related layered lead bromides
11:00	Rolf Würdemann (IT) Calculations of X-ray adsorption spectra using time dependent DFT
11:15	Lukas Weingärtner + Pia Schilling (Bernstein) 3 D Druck für Scaffolds für den Knochenersatz
11:30	Dennis Priester u. Niklas Gebel (Krossing) Measuring Single-Ion Gibbs Transfer Energies without Extra-Thermodynamic Assumptions
11:50 – 12:15 Kaffeepause	
12:15	Florian Staab (Balle) Mikrostruktur- und Eigenschaftsanalyse ultraschalltorsionsgeschweißter Al/CFK-Verbunde
12:30	Peter Kappel (Speck) Biomimetic concepts for optimized water management in fuel cells
12:45	Simon Procz (Fiederle) Investigation on Sensor Materials for Mammography
13:00 Ende des zweiten Tages	