

Easel #	First Name	Last Name	Poster Title
1	Lada	Adamic	Social networks as information filters
2	Miriam	Agler-Rosenbaum	Empowering Microorganisms – Microbial Biocatalysts for Electrochemical Processes
3	Clint	Aichele	Advanced Dispersion Characterization Techniques for Energy Production Applications
4	Cynthia	Barnhart	Designing integrated vehicle-sharing and public transportation service
5	Dirk	Brockmann	TBD
6	Annette	Brunsen	Manipulation of Transport in Mesoporous Polymerhybrid Membranes
7	Markus	Buehler	Materiomics: Materials by Design
8	Yong	Chen	Modeling and Control of Digital Projection based Additive Manufacturing
9	Cynthia	Collins	Communication and cooperation in synthetic microbial consortia
10	Christina	Dornack	Resource Management and value chain in the material cycle in the paper industry
11	Dietmar	Drummer	Scientific Aim, Motivation and Vision of the Collaborative Research Center 814 "Additive Manufacturing"
12	Marta	Gonzalez	TBD
13	Christian	Hesch	Phase separation in solder alloys
14	Jason	Hill	Life cycle air quality impacts of transportation options
15	April	Hoffart	Hydroxymethylfurfural Process Development
16	Christian	Hopmann	An integrative approach for individualised series production
17	George	Huber	Renewable Fuels from Catalytic Fast Pyrolysis of Biomass
18	Cristian	Huepe	Explicit and Implicit Directional Information Transfer in Collective Motion
19	Lars	Hufnagel	TBD
20	Ingomar	Kelbassa	Digital Photonic Production - Laser Additive Manufacturing
21	Ralf	Kemkemer	geometry dependence in collective cell behavior
22	Harald	Klein	Research activities Institute of Plant and Process Technology
23	Stefan	Klumpp	Growth-rate dependent gene expression in bacteria
24	Nitin	Kolhapure	Biofuels at DuPont
25	Tobias	Kraus	Assembling nanoparticles inside emulsion droplets
26	Catherine	Kuo	Biomimetic Embryonic Microenvironments to Mechanoregulate Stem Cell Differentiation
27	Rastislav	Levicky	Protein-DNA Interactions at Electrified Interfaces
28	Stefan	Loehnert	Multiscale Modeling of Fracture
29	Philip	Lutze	Synergies for Process Intensification
30	John	Mannion	Nanofluidic Channels for Single Molecule DNA Analysis
31	Julia	Mergheim	Thermomechanical Modeling and Simulation of Selective Beam Melting
32	Peter	Moser	R&D at RWE Power
33	Mathias	Mostertz	On the way to zero emission. Renewable hydrogen production
34	Bernhard	Mueller	Laser Beam Melting at Fraunhofer IWU
35	Cesar	Palerm	Technology & Diabetes: Improving Outcomes and Reducing Burden

36	Renata	Pasqualini	Combinatorial Targeting of Hepatocellular Carcinoma in Patients" and "Nanoscaffold Enhanced Proton Therapy
37	Siva	Pilli	Fu3el Cell Combined Heat and Power Commercial Demonstration (Tetative - Need Approval)
38	Thomas	Rechtenwald	Understanding Process Requirements for Additive Manufacturing on the example of a Beam-Based Process for Plastic Powders
39	Sayeeef	Salahuddin	Complex interfaces for novel electronics
40	Ludger	Santen	A Stochastic Approach to bidirectional intracellular Transport
41	Thomas	Scheibel	Assembly mechanism of spider silk proteins and applications of spider silk materials
42	Jochen	Schmid	Novel biorefinery concepts
43	Carolyn	Seepersad	Design for Additive Manufacturing
44	Robin	Seidel	Bio inspired impact protection
45	Gregory	Shaver	Model-Based Engine Algorithm Development for Control and Virtual Sensing
46	Tim	Shinbara	An Industrial Perspective
47	Carl	Simon	Measuring Stem Cell Dimensionality in 3D Scaffold Cell Niches
48	Sabrina	Spatari	Life Cycle Assessment of Biomass Densification through Fast Pyrolysis.
49	Kathleen	Vaeth	Energy Harvesting for Wireless Sensors and Beyond
50	Richard	Weinkamer	Computational mechanobiology of bone adaptation and healing
51	Christopher	Williams	Additive Manufacturing of Cellular Materials
52	Frank	Woelcke	Additive Technologies Focusing on Industrial Applications for Metal and Plastic Parts
53	Joyce	Wong	A Novel Microfluidic Method to Fabricate Silk Fiber Scaffolds
54	Baixiang	Xu	Modeling of Functional Materials
55	Xiong	Yu	Innovative Sensors and Materials for Smart Buildings
56	Vasily	Zaburdaev	Random walks: from single to many-particle systems and back
57	Nico	Zobel	OXYWASTE - A New Process for Decentralized Energetic Utilization of Waste Materials
58	Cordt	Zollfrank	Structural and functional materials from polysaccharides