

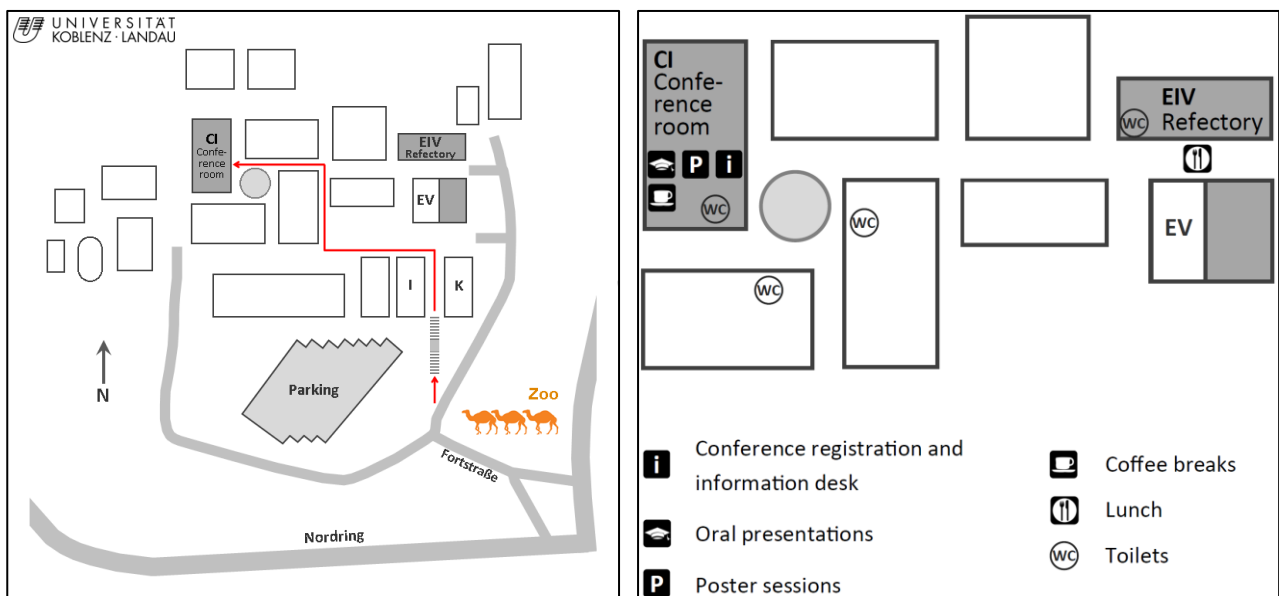
International Workshop Engineered Nanoparticles in Aquatic and Terrestrial Compartments: Fate, Effects and Analytics

19th - 21st September, 2018

Location:

University of Koblenz-Landau
CI (blue), ground floor, Conference room
Fortstr. 7, 76829 Landau in der Pfalz, Germany

Map:



Program

Wednesday, September 19, 2018	
13:30-14:00	Registration opens
14:00-14:15	Welcome Room: CI, Conference room
Session: Transport, mesocosm and field experiments Room: CI, Conference room	
14:15-15:15	Keynote <i>Scott A. Bradford, Hyunjung Kim, Chongyang Shen, Salini Sasidharan, and Jirka Simunek</i> Optimized delivery of nanoparticles and genetically engineered bacteria to enhance soil and groundwater remediation
15:15-15:45	<i>Martin Hoppe, Daniel Rückamp, Elke Wargenau, Axel Lamparter, Claus Florian Stange, Stephan Kaufhold, Elke Fries, Paul Königer, Karsten Schlich, Kerstin Hund-Rinke, Marco Kraas, Robert Mikutta, Jens Utermann, and Georg Guggenberger</i> Different approaches to determine the fate of silver nanoparticles in soil
15:45-16:15	Coffee Break
16:15-16:45	<i>Marianne Seijo and Serge Stoll</i> Explicit simulations of parameters impacting nanoparticles transport in saturated soils: Monte Carlo approach
16:45-17:15	<i>Sandra Kurtz, George Metreveli, Sondra Klitzke, Frank Seitz, Ricki R. Rosenfeldt, Simon Lüderwald, Thomas Baumann, Mirco Bundschuh, Werner Manz, Ralf Schulz, Hans-Jörg Vogel, and Gabriele E. Schaumann</i> Distribution of Ag and TiO ₂ nanoparticles in aquatic-terrestrial indoor mesocosm system

Thursday, September 20, 2018

Session: Release, fate, stability, reactivity, and speciation

Room: CI, Conference room

08:30-09:30	Keynote <u>Jérôme Labille</u> Fate of nanoparticles released in aqueous environment – A focus on the heteroaggregation with natural particulate matter and the sunscreen case study
09:30-10:00	<i>Jialan Wang, Mickeal Tharaud, Alexandre Gelabert, Enrica Alasonati, Paola Fiscaro, and Marc F. Benedetti</i> Flux and fate of silver nanoparticles in small watersheds under different land use
10:00-10:30	<i>Andreas Wimmer and Michael Schuster</i> Silver nanoparticles in natural water bodies - is it only humans who are to blame?
10:30-11:00	Coffee Break
11:00-11:30	<i>Jonas Wielinski, Alexander Gogos, Andreas Voegelin, Eberhard Morgenroth, and Ralf Kaegi</i> Cu and Zn (nanoparticle) speciation in sewage sludge and sewage sludge ash
11:30-12:00	<i>Melanie Kah, Rai Kookana, Alexander Gogos, and Thomas Bucheli</i> Fate and performances of nanoagrochemicals against their conventional analogues
12:00-12:30	<i>George Metreveli, Vanessa Stulier, Jan David, Reinhard Schneider, Sandra Kurtz, and Gabriele E. Schaumann</i> Does the sulfidation affect the aggregation dynamics of silver nanoparticles in river water?
12:30-13:30	Lunch, Room: Refectory
Session: Analytics	
Room: CI, Conference room	
13:30-14:30	Keynote <u>Spiros A. Pergantis</u> Progressing from determining nanoparticles using SINGLE PARTICLE ICP-MS to determining metals in cells using SINGLE CELL ICP-MS
14:30-15:00	<i>Mickael Tharaud, Andreas P. Gondikas, Marc F. Benedetti, Frank von der Kammer, Thilo Hofmann, and Geert Cornelis</i> TiO ₂ nanomaterials detection in calcium rich matrices by spICPMS. A matter of resolution and treatment
15:00-15:30	Coffee Break
15:30-16:00	<i>Allan Philippe and Narjes Tayyebi</i> Nanoparticles in environmental media: analytical challenges
16:00-16:30	<i>Sayed Amininejad, Natalia P. Ivleva, and Thomas Baumann</i> Surface-enhanced Raman scattering (SERS) for characterization of coatings on metallic nanoparticles
16:30-18:00	Poster session

Friday, September 21, 2018

Session: Biological impact

Room: CI, Conference room

09:00-10:00	Keynote <u>Cornelis A.M. van Gestel</u> Dynamics of nanoparticle bioavailability and toxicity in soil
10:00-10:30	Coffee Break
10:30-11:00	<u>Karsten Schlich</u> , <i>Martin Hoppe, Marco Kraas, Jonas Schubert, Munish Chanana, and Kerstin Hund-Rinke</i> Sulfidation as an antidote of AgNM toxicity? Results of a terrestrial long-term experiment
11:00-11:30	<u>Rajdeep Roy</u> , <i>Asawer Alawi Ahmed Maknoon, Simon Lüderwald, George Metreveli, Ralf Schulz, and Mirco Bundschuh</i> Does aging of titanium dioxide nanoparticles modulate copper toxicity in freshwater ecosystem? A factorial approach using <i>Daphnia magna</i>
11:30-13:00	Lunch, Room: Refectory