

Gemeinsames Jahrestreffen der DECHEMA / VDI Fachgruppen 2025

Wednesday 26 March 2025

Postersession: Postersession - Aula Academica (16:15 - 18:00)

time	[id] title	presenter
16:30	[65] Enhancing the Durability of Porous Refractory Structures through Cold Gas-Dynamic Spraying of Ceramic Nanoparticles	ALEKSIEIEVA, Olha
16:33	[99] Polymer Encapsulation of Semiconductor Nanoparticles via Surface-Initiated Aerosol Photopolymerization	SHABAN, Masoom
16:36	[79] Electro-spray-Assisted Flame Spray Pyrolysis for the Fabrication of Metal Oxide Nanoparticles	POOSTFOROOSHAN, Jalal
16:39	[13] Untersuchung der Verweilzeit in einem Zyklon mit zweifachem Einlass und Fallrohr	KRISCH, Robert
16:42	[16] Implementation of a Robust Evaporation Model for Simulating Leakage Scenarios of Alternative Marine Fuels	ORTMANN, Erik
16:45	[29] Strengths and Weaknesses for State of the Art CFD-DEM Modeling	Dr NIEMANN, Martin
16:48	[43] Solving challenges in the modelization of two-phase surface tension driven flows	CAMPOS, Tiago
16:51	[55] CFD-DEM Simulations for Milling, Transport, and Separation Process in Sustainable Deep-Sea Mining	SAHA, Suharto
16:54	[56] Modeling transient CO ₂ -methanation in single catalyst particles with CFD and continuum models	REINOLD, Philipp
16:57	[58] Accuracy of the Coarse Grain DEM-CFD Approach in Fluidized Beds	GRABOWSKI, Janna
17:00	[68] A neural Network to investigate gas liquid two-phase flow in plate and frame heat exchanger	GUESMI, Montadhar
17:03	[73] Influence of impact conditions on particle agglomeration and deposition during the wall impact process of suspension droplets	TRIBESS, Richard
17:06	[76] Modeling Non-Spherical Particle Collisions in Particle-Laden Flows Using Impulse-Based Method and Signed Distance Fields	Mr IBRAHIM, Hozan
17:09	[100] Direct Numerical Simulation of the Turbulent Mixing of Two Liquids at High Schmidt Numbers for the Fabrication of Nanoparticles	Mr KARIMI-NOUGHABI, Amir
17:12	[113] Enhanced contact modification routine for particle-resolved CFD simulations of fixed beds with complex-shaped catalysts	MÜLLER, Mauritio