

Seminar on current research in chemical technology for employees and students (advanced internships and theses) – WS 22/23

Time/Location: Tuesday, 14:00, Bldg. 11.21, HS 006, language: English; LV no. 5434,
if online: BBB <https://itcp-bbb.itcp.kit.edu/b/mar-ad9-dgf>

Presentations:

Date	Presenter	Title	Chair
18.10.2022 Bldg 11.21, SR 104	Andrea Düll	Einführung in ASPEN (in German) joint lecture with course CT III	Prof. Dr. Olaf Deutschmann
8.11.2022	Sven Schardt	Pt-based monolithic catalysts for OCM: Effect of catalyst formulation and operation parameters PhD interim / Conference presentation	Michael Borchers
	Sebastian Schulz	Experimental and numerical investigation of turbulent impinging jets on rough surfaces PhD interim presentation	Prof. Dr. Rainer Suntz
22.11.2022	Manas Mokashi	Numerical simulation of thermocatalytic methane pyrolysis over activated carbons and comparison with experimental results PhD intermediate presentation	Akash Shirsath
	Jaclyn Matwisch	Numerical simulation of the hydrodynamics of a falling film reactor with smooth and structured surface for the reactive absorption of CO ₂ B.Sc. thesis final presentation	Andrea Düll
13.12.2022	Fabio Öhl	Experimental investigation of the influence of structured surfaces on the hydrodynamics of falling liquid films M. Sc. Thesis intermediate presentation	Andrea Düll
10.01.2023	Ahmet Celik	Experimental investigation on thermocatalytic methane pyrolysis: Using bio-gas as an alternative to methane PhD thesis intermediate presentation	Daniel Hodonj
17.01.2023	Oscar Furst	Optimization of methanation process chains through system-level simulations PhD thesis intermediate presentation	Philipp Blanck
24.01.2023	Lukas Zeh	Methane oxidation catalysts for exhaust gas after-treatment under dynamic conditions” M. Sc. intermediate presentation	Kevin Keller
07.02.2023 15:00h	Carola Kuhn	Iron as metal fuel: Iron oxide reduction with hydrogen PhD thesis intermediate presentation	Andrea Düll

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14.02.2023	Andrea Düll	CO ₂ absorption in a falling film reactor PhD intermediate presentation	Jaspreet Chawla
14.03.2023	Konstantin Elfner	Production of CO ₂ -free hydrogen via methane pyrolysis: impact of using biogas as alternative to methane in a high-temperature reactor Bachelor thesis final presentation	Ahmet Celik
	Anna Knapp	Iron as energy carrier: Experimental and ki- netic investigation of the oxidation of iron with air Student internship "Vertiefer" presentation	Carola Kuhn

Organization/ Contact: Yvonne Dedecek, M.A. (dedecek@kit.edu),
Prof. Deutschmann (deutschmann@kit.edu)

* Please note: Changes to the program will be announced on the ITCP homepage: <https://www.itcp.kit.edu/364.php>.