

**Seminar on current research in chemical technology
for employees and students (advanced internships and theses) – SS 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
18.04.2023	Lukas Zeh	Three-way catalysts under periodic conditions M. Sc. final presentation	Daniel Hodonj
	Fatjon Syla	Production of CO ₂ -free hydrogen via methane pyrolysis: influence of temperature and pressure in a high-temperature reactor Bachelor thesis final presentation	Ahmet Celik
	Fabio Öhl	Experimental investigation of the influence of structured surfaces on the hydrodynamics of falling liquid films M. Sc. final presentation	Andrea Düll
25.04.2023	Jaime Valdes	Numerical Simulation of the Absorption of CO ₂ in a Falling Film Absorber Bachelor thesis final presentation	Andrea Düll
	Dr. Steffen Tischer	A data type to resolve ambiguity in species names Short communication/ discussion	Prof. Dr. Olaf Deutschmann
23.05.2023	Barbara Thiele	Hydrogen activation and conversion over noble metal-based catalysts Student internship "Vertiefen" final presentation	Dr. Patrick Lott
27.06.2023	Anna Knapp	Steam Iron Process: Hydrogen storage by modified iron oxides M. Sc. intermediate presentation	Carola Kuhn
04.07.2023	Paul Jakob Jägerfeld	Automatic fitting of Butler-Volmer kinetic parameters Ph. D. intermediate report	Felix Ehrlich
11.07.2023	Michael Borchers	NO _x reduction by hydrogen for hydrogen-powered engines Ph. D. intermediate report	Sven Schardt
12.09.2023	Philipp Blanck	Electrochemically enhanced low-temperature catalytic ammonia synthesis Ph. D. intermediate report	Oscar Furst
	Daniel Hodonj	Three-way catalysts under periodic conditions Ph. D. intermediate report	Ahmet Celik

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