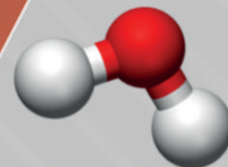
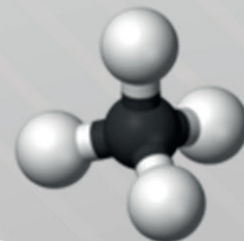
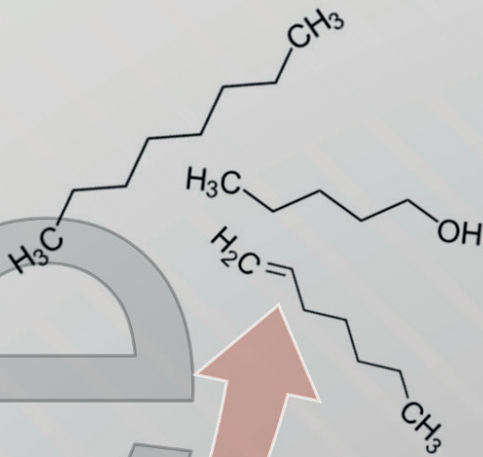
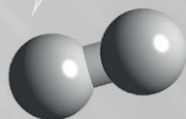
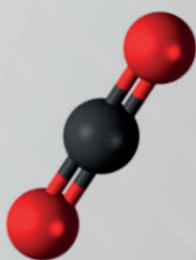


Fe

Iron

26



J. Kirchner, Z. Baysal, S. Kureti, ChemCatChem 12 (2020) 981-988



Date:
25./26.
February 2025

Conditions of participation:
Conference fee: 75 EUR (including VAT),
snacks are included

Conference **Syngas**Ferrum **25**

Syngas Conversion on Fe Catalysts

TU Bergakademie Freiberg, Institut für Energieverfahrenstechnik und Chemieingenieurwesen,
Professur Reaktionstechnik, Reiche Zeche, Fuchsmühlenweg 9D, 09599 Freiberg



Tuesday, 25th February 2025

- 13:30 Get Together (with snacks)
- 14:00 Welcome address
- 14:15 Lecture: **Prospects of direct CO₂-Fischer-Tropsch synthesis in slurry reactors**
Speaker: M.Sc. Philipp A. Graefe (Karlsruhe Institute of Technology)
- 15:15 Lecture: **Upscaling and process integration of iron-based Fischer-Tropsch catalysts for higher alcohol synthesis**
Speaker: Dr. Erik Reichelt (Fraunhofer Institute IKTS Dresden)
- 16:15-16:30 Break
- 16:30-17:30 Lecture: **Structure-activity relations in CO₂ methanation on Ni/Fe catalysts**
Speaker: M.Sc. Alexander Groß (TU B Freiberg)
- 19:00 Evening event at Stadtwirtschaft Freiberg ([individual payment](#))

Wednesday, 26th February 2025

- 09:00-09:45 Laboratory tour
- 10:00 Lecture: **Mechanistic aspects of CO₂ hydrogenation to higher hydrocarbons over Fe-based catalysts**
Speaker Prof. Dr. Evgenii Kontradenko (LIKAT Rostock)
- 11:00 Lecture: **Iron based catalysts for the synthesis of C₂₊ hydrocarbons from carbon oxides and H₂**
Speaker: Prof. Dr. Carlo Visconti (Politecnico di Milano)
- 12:00-12:15 Break
- 12:15 Lecture: **CO₂ conversion into high-molecular hydrocarbons on Fe catalysts**
Speaker: M.Sc. Christian Schmidt (TU B Freiberg)
- 13:15 Closing remarks and networking with snacks

Slots: each 60 min (ca. 30 min lecture + ca. 30 min discussion)

Tips for hotel: Hotel Kreller, Hotel am Obermarkt, Hotel Freyhof

Registration deadline: 9th February 2025

Registration via: katrin.wuerfel@iec.tu-freiberg.de

Route discription:



<https://tu-freiberg.de/fakult4/iec>

