

Fe

Iron

26



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

Date:
26./27.
February 2024

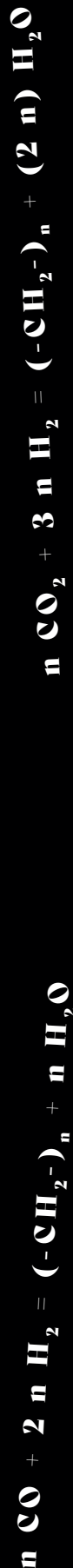
Conditions of participation:
no conference fees, snacks are included



Colloquium **Syngas**Ferrum

Syngas Conversions on Fe Catalysts

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



Monday, 26th February 2024

- 13:30 Get Together (with snacks)
- 14:00 Welcome
- 14:15 Lecture: **CO₂ hydrogenation to higher hydrocarbons over Fe-based catalysts: mechanism, steady-state phases and their spatial distribution**
Speaker: Laura Krausser (LIKAT Rostock)
- 15:15 Lecture: **Iron-based Fischer-Tropsch synthesis towards higher alcohols – catalyst optimization and application of profile reactor measurements**
Speaker: Erik Reichelt (Fraunhofer IKTS Dresden)
- 16:15-16:30 Break
- 16:30-17:30 Lecture: **CO- and CO₂-based FTS on Fe catalysts towards high-molecular products**
Speaker: Christian Schmidt (TU B Freiberg)
- 19:00 Evening event at Stadtwirtschaft Freiberg ([individual payment](#))

Tuesday, 27th February 2024

- 8:30-9:30 Laboratory tour
- 9:30-9:45 Break
- 9:45 Lecture: **Iron based catalysts for CO₂ methanation**
Speaker Alexander Groß (TU B Freiberg)
- 10:45 Lecture: **Phase composition, activity and selectivity of iron-based catalysts during Fischer-Tropsch synthesis**
Speaker: Johannes Thiessen (University of Bayreuth)
- 11:45-12:00 Break
- 12:00 Lecture: **Transient kinetics and reactor dynamics for hydrogenation of CO and CO₂**
Speaker: Jens Friedland (University of Ulm)
- 13:00-13:30 End of colloquium ([final 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 2024

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

Route discription:



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