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SEMINAR SERIES

HIGHLIGHTS IN ENERGY RESEARCH

28. 9. 2017, 10:30 - 11:30, ENERGYPOLIS Sion, 4th floor, Zeuzier room

Enabling innovation through metal-organic frameworks (MOFs)

Daniel Steitz

novoMOF AG, Park Innovaare, Villigen, Switzerland

Metal-organic frameworks (MOFs) are novel porous materials and the fastest growing class of materials in chemistry today. These advanced materials can be compared with sponges, being able to take-up, hold and release molecules from the pores. MOFs are the next technology wave, as the outperform conventional porous materials and offer new competitive application in various industries from energy, automotive, cleantech to the pharmaceutical sector. For instance, charging times of batteries can be reduced to minutes, the lifetime of packaged food can be prolonged or gases such as carbon dioxide and natural gas can be separated, purified or stored. We partner with leaders from different industries who want to exploit MOFs early as an innovation opportunity. We at novoMOF AG enable and shape this process early on by providing such companies access to custom MOFs based on their intended application.

novoMOF AG is a spinoff from the Paul Scherrer Institute (PSI) and with focus on synthesis and production of metal-organic frameworks (MOF). We provide MOFs at the speed, scale and quality that our customers require.

CV: Daniel Steitz

Daniel Steitz holds a master's degree in chemical and bioengineering from the ETH Zurich. He co-founded the PSI spin-off novoMOF AG in February 2017 and has been managing the company as CEO since then. With his team Daniel won the >>venture>> Business Idea track in 2016, was in the finals of the Swiss Technology Award 2016 in the category inventors and has been nominated for the Pionierpreis 2017.