

## Rechargeable Zinc-Air Battery

# Tobias Michlik defended his doctoral thesis



### Congratulations!

Tobias Michlik defended his doctoral thesis about “Zinc-glass composite electrodes for rechargeable zinc-air batteries” (German original title “*Zink-Glas-Kompositelektroden für wiederaufladbare Zink-Luft-Batterien*”) on Friday, January 20<sup>th</sup>, 2023.

Initially, the research work for his dissertation was conducted at the laboratory of the late colleague Prof. Willert-Porada. After she passed away, research was continued at the Department of Electrochemical Process Engineering (Lehrstuhl für Werkstoffverfahrenstechnik) of Prof. Christina Roth at the Faculty of Engineering Science in strong collaboration with the Bavarian Center for Battery Technology (Bayerisches Zentrum für Batterietechnik, BayBatt).

Dr. Michlik already published parts of his thesis in peer-reviewed journals. Examples are:

T. Michlik, A. Rosin, T. Gerdes, R. Moos:

Improved Discharge Capacity of Zinc Particles by Applying Bismuth-Doped Silica Coating for Zinc-Based Batteries  
*Batteries*, 5, 32 (2019), doi: 10.3390/batteries5010032

T. Michlik, M. Schmid, A. Rosin, T. Gerdes, R. Moos:

Mechanical Coating of Zinc Particles with Bi<sub>2</sub>O<sub>3</sub>-Li<sub>2</sub>O-ZnO Glasses as Anode Material for Rechargeable Zinc-Based Batteries  
*Batteries*, 4, 12 (2018), doi: 10.3390/batteries4010012



The evaluation board and the candidate.

From left to right: Jun.-Prof. Röder, Prof. Moos, Dr. Michlik, Prof. Roth, and Prof. Döpfer