

## Olga Isakin defended her doctoral thesis

### Congratulations!

Olga Isakin defended her doctoral thesis about “ZnO graphite composites as anode materials for lithium ion batteries” (German original title “ZnO-Graphit-Komposite als Anodenmaterialien für Lithium-Ionen-Batterien”) on September 3<sup>rd</sup>, 2018.

The research work for her dissertation was carried out simultaneously at an industrial partner and at the Faculty of Engineering Science at the chair of the late colleague Willert-Porada. After she passed away, Prof. Moos supervised the thesis.

Dr. Isakin already published parts of her thesis in peer-reviewed journals.

O. Isakin, S. Hiltl, O. Struck, M. Willert-Porada, R. Moos: High-Yield Preparation of ZnO Nanoparticles on Exfoliated Graphite as Anode Material for Lithium Ion Batteries and the Effect of Particle Size as well as of Conductivity on the Electrochemical Performance of Such Composites, *Batteries*, **4**, 24 (2018), doi: 10.3390/batteries4020024

O. Isakin, S. Hiltl, R. Schneider, J. Bleisteiner, O. Struck, K. Schindler, M. Willert-Porada, R. Moos: Ultrasound-assisted one-pot syntheses of ZnO nanoparticles that are homogeneously adsorbed on exfoliated graphite and a simplified method to determine the graphite layer thickness in such composites, *Journal of Materials Science*, **53**, 6586-6601 (2018), doi: 10.1007/s10853-018-2023-z

O. Isakin, R. Schneider, M. Ringl, O. Struck, T. Gerdes, M. Willert-Porada, R. Moos: High-yield synthesis of ZnO nanoparticles homogeneously coated on exfoliated graphite and simplified method to determine the surface coverage, *Surface and Coatings Technology*, **325**, 445-453 (2017), doi: 10.1016/j.surfcoat.2017.07.002



From left to right: Prof. Bakran, Dr. Isakin, Prof. Ionov, Prof. Moos, and Prof. Schmidt