

CELEST Member Short Profile



Sonia Dsoke



Sonia Dsoke, since 2017, leads a multidisciplinary group at the Institute for Applied Materials – Energy Storage Systems (KIT). From 2012 to 2016, she was an independent young research group leader designing novel electrodes for Hybrid Battery-Supercapacitors at ZSW-Ulm (Germany). Previously, she worked as a researcher at FAAM (Italy) and at the University of Camerino (Italy), where she also obtained her PhD. Sonia Dsoke was honored with the Brigitte-Schlieben-Lange Programm Grant (2017-2019, Ministry of Science and Culture, Baden-Württemberg) and a Young Investigator Group Grant (2012-2016, Federal Ministry of Education and Research) within the framework “Energy Storage Initiative”. She is vice-chair of Division 3 (ELECTROCHEMICAL ENERGY CONVERSION AND STORAGE) of the International Society of Electrochemistry (ISE), deputy director of CELEST and spokesperson for Research Unit A in POLiS.

Institute for Applied Materials – Energy Storage Systems (IAM-ESS)

Material Research Center for Energy Systems (MZE)
 Straße am Forum 7
 76131 Karlsruhe

Contact details

Dr. Sonia Dsoke
 +49 721 608 41915
 sonia.dsoke@kit.edu

Research areas

Her main research subjects are the development of novel advanced functional materials for supercapacitors, lithium, post-lithium ion batteries (mainly Na and Al batteries), and hybrid devices.

Lab equipment (at MZE and AOC, campus south of KIT)

Fume hoods, 4 Glove-boxes, XRD, PPMS, TGA, eQCM/Gamry Potentiostat, Electrochemical Dilatometer, Viscosimeter/densimeter, Karl Fisher, Basytec potentiostat, several multichannel and single channels VMP3 and MPG potentiostats (equipped with EIS), climate chambers, temperature chamber for electrochemical experiments, ball mill, muffle ovens, carbolite tube-oven, Büchi glass ovens, arc-melting oven, optical microscope, speedmixer, disperser, coating machines for electrode preparation, multi anvil press (4-25GPa/2500°C).

Sonia Dsoke @ IAM

https://www.iam.kit.edu/ess/21_957.php

Link IAM

<https://www.iam.kit.edu/ess/index.php>

Link Lab equipment

<https://www.iam.kit.edu/ess/254.php>