

## CELEST Member Short Profile



### Thomas Wetzel

Prof. Dr.-Ing. Thomas Wetzel graduated in Electrical Engineering in 1996 from the University of Hannover and received his Dr.-Ing. in 2000 with a work on silicon single crystal growth. Before joining KIT in 2009, Prof. Wetzel held several scientific and management positions in leading German semiconductor and automotive industry companies. He is Professor for Heat and Mass Transfer at the Institute of Thermal Process Engineering and Dean of the Faculty of Chemical and Process Engineering at KIT. He is the spokesperson of the DFG Research Training Group GRK 2218 SiMET on numerical simulation of coupled mechanical, electric-electrochemical and thermal effects in Lithium-ion-batteries. SiMET has 38 members, started in 2017 and will run through 2026.



#### Institute for Thermal Process Engineering (TVT)

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#### Research areas

His current research fields are single- and multi-phase heat transfer in energy technology applications, the thermal behavior, design and management of Li-ion batteries and liquid metal thermal hydraulics for high temperature process technology and heat storage.

#### Lab equipment

Fume hoods, Glove-box, DSC, LFA, digital precision scale, digital microscope, several Basytec multichannel potentiostats, Zahner Zenniums, climate chambers, special thermal control cell clamps, etc.

#### Thomas Wetzel @ TVT

[https://www.tvt.kit.edu/21\\_183.php](https://www.tvt.kit.edu/21_183.php)

#### Link TVT & SiMET

<https://www.tvt.kit.edu/index.php>  
<https://www.simet.kit.edu>

#### Link Lab equipment

Partners

