

19<sup>th</sup> INTERNATIONAL CONFERENCE ON DIFFUSION IN SOLIDS AND LIQUIDS

**DSL2023**

**HERAKLION, CRETE | GREECE**

26 - 30 JUNE 2023

## SHORT BIO:

**Guido Schmitz** studied Physics and Theology at the Universities of Freiburg and Göttingen in Germany. He graduated in Material Physics from the University of Göttingen in the year 1994. After periods as assistant professor in Göttingen and a research fellowship at the Univ. of California, Los Angeles, he was appointed in 2002 as full professor in Materials Physics at the University of Münster, Germany. In 2012, he accepted a call to the University of Stuttgart, to chair the department of Materials Physics.

His scientific work is focussed on the understanding of solid state reactions in nanostructured materials and devices, at the cutting edge of microscopy. Atomic transport along grain boundaries and triple junctions, structure and stability of interfaces, or the impact of elastic stress are physical phenomena to be pointed out. From the viewpoint of application, semiconductor metallization, magnetic sensors, solder interconnects, thin film batteries and hydrogen storage should be named. His research team is well known for instrumental and computational developments of the atom probe tomography, an exciting nanoanalytical tool of outstanding resolution and single atom sensitivity.

Guido Schmitz received the Werner Köster award of the German Materials Society, holds an honorary doctor grade of the National University in Cherkasy, Ukraine, and is an appointed Fellow of the International Field Emission Society. He serves as the editor in chief of the International Journal of Materials Science.