Research on the Development of Aluminum Alloys

Metallic Materials– Prof. Dr. Stephanie Lippmann

Theme:

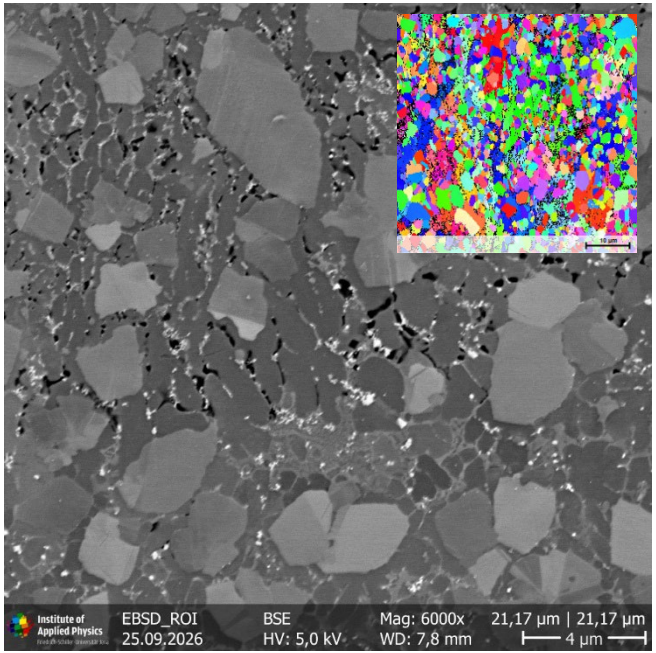
Development of

- reusable aluminum alloys
- high-strength substrate materials for mirror optics
- optimized alloys for additive manufacturing

using computer-aided and experimental high-throughput methods

Requirements:

- An interest in microscopy, particularly electron microscopy
- An interest in experimental work



Electron microscope image of an Al-Si alloy in phase and orientation contrast

Scientific Profile

Basic research	*Applied research*
Lab works	*Data analysis*
New Setup	*Proven Setup*

Language

German & English

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