



ESISM セミナーのご案内

日 時： 2017 年 11 月 17 日（金） 13:30～15:30

場 所： 物理系校舎 5 階材料工学セミナー室（527 室）

講演者： **Prof. Gunther Eggeler**

Institute for Materials • Faculty of Mechanical Engineering,
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講演題目: "**New results from the collaborative research center
SFB/TR 103 on Ni-base super alloy single crystals**"

Abstract :

The collaborative research center SFB/TR 103 is a large German research activity which aims at providing a scientific basis for the development of a new generation of single crystals superalloys. It is funded by the German research association "DFG" and brings different research fields (like processing, mechanical testing, scale bridging modelling and scale bridging characterization) into close scientific contact. The nature and role of a collaborative research center in Germany is briefly explained. The structure of SFB/TR 103 is then outlined. And then some examples for new recent research results are highlighted which include the use of a seeded Bridgman technique to make single crystals, a new miniature creep test procedure and some new results on dislocation reactions which govern low temperature and high stress creep.

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