Pozvánka na seminář Oddělení funkčních materiálů FZÚ AV ČR, v.v.i.

Přednáška

Heat source reconstruction from infrared measurements for analyzing strain localizations in aluminium alloy and shape memory alloys

Prof. Xavier Balandraud

Université Clermont-Auvergne Sigma Clermont, France

Úterý 16. února 2016 ve 14:00 hod.
v místnosti 117 Na Slovance 2, Praha 8

The temperature variation during a mechanical test can be related to various physical phenomena occurring in the tested materials, such as thermoelastic coupling, plasticity or phase transformation. The presentation will describe how to identify the heat sources produced or absorbed by the material from infrared measurements. Applications will concern aluminium alloys subjected to the Portevin Le Chatelier effect and shape memory alloys subjected to phase transformation.

RNDr. Petr Šittner, CSc.
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