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Deutsche Forschungsgemeinschaft Leibniz Lectures



Invitation

Prof. Dr.-Ing. Matthias Kleiner

Strategic Research in Engineering – Advanced Light Metal Extrusion for Low Energy Design



Deutsch-Russisches Jahr der Bildung,
Wissenschaft und Innovation 2011/12
Российско-Германский год образования,
науки и инноваций 2011/12



About the lecture:

Energy shortage and increase in CO₂ emissions enforces the manufacturers to be environmentally benign. Besides environmental issues, global competition in the market necessitates the development of strategies to improve product quality and functionality through technological innovation.

This lecture focuses on the advanced extrusion processes for the improvement of product quality, the reduction of process chains and saving of our available resources. The presented and discussed technologies cover the extrusion of reinforced profiles, curved as well as twisted profiles, integration of local heat treatment strategies into the process chain of extrusion, extrusion with in-line electromagnetic compression, hot profile extrusion of aluminum chips, and adjustment of proper microstructure during extrusion.

Prof. Dr.-Ing. Matthias Kleiner

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Strategic Research in Engineering – Advanced Light Metal Extrusion for Low Energy Design

28 February 2012, 6.45 pm

Main Building, 31 floor, the Earth Science Museum, Rotunda Hall
Lomonosov Moscow State University, Leninskie Gory, Moscow

The lecture will be followed by a reception.

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