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Dear colleagues,

the Max-Planck-Institut für Eisenforschung in Düsseldorf is organizing the 5th International Symposium on Computational Mechanics of Polycrystals and we would like to invite you and your research colleagues to participate in this event. This symposium is part of a biannual series of symposia that originated from the first joint research group established between the Max Planck Society and the Fraunhofer Society on the Computational Mechanics of Polycrystals.

This year the symposium is combined with the first DAMASK User Meeting. DAMASK is the multi-physics simulation software developed at MPIE.

If you and your colleagues would like to attend this event, then please register online before July 1st 2016.

We emphasize that registration is mandatory and that there are limited places only. Many thanks and hope to see you in Düsseldorf!

www.mpie.de/cmcn2016

Best regards

Franz Roters

Recent publications:

- Bayerschen, E. and Böhlke, T., 2016. Power-law defect energy in a single-crystal gradient plasticity framework: a computational study. *Computational Mechanics*, pp.1-15.
- Bayerschen, E., Prahs, A., Wulfinghoff, S., Ziemann, M., Gruber, P.A., Walter, M. and Böhlke, T., 2016. Modeling contrary size effects of tensile-and torsion-loaded oligocrystalline gold microwires. *Journal of Materials Science*, pp.1-20.
- Bayerschen, E., Stricker, M., Wulfinghoff, S., Weygand, D. and Böhlke, T., 2015, December. Equivalent plastic strain gradient plasticity with grain boundary hardening and comparison to discrete dislocation dynamics. In *Proc. R. Soc. A* (Vol. 471, No. 2184, p. 20150388). The Royal Society.
- Bayerschen, E., McBride, A.T., Reddy, B.D. and Böhlke, T., 2016. Review on slip transmission criteria in experiments and crystal plasticity models. *Journal of Materials Science*, 51(5), pp.2243-2258..

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