
Info_plasticity is a newsletter for distributing information among the "dislocation-based plasticity community". Please send your news to info_plasticity@for1650.kit.edu

Past newsletters can be found at www.for1650.kit.edu/268.php
Recently published papers can be entered at www.for1650.kit.edu/54.php

Dear all,

welcome to the info_plasticity newsletter and distribution list!

This newsletter serves to provide timely information and announcements (as e.g. announcements of conferences, open job positions, special events...) around the Dislocation-based Plasticity community. Recently published papers can be entered in the paper portal and will be attached in a footnote of the newsletter.

We kindly encourage you to forward the newsletter to interested people not yet on the list, such that we can increase reach and impact of the posted information.

Kind regards,
Katrin Schulz

Recent publications:

- Sandfeld, S. and Po, G., 2015. Microstructural comparison of the kinematics of discrete and continuum dislocations models. *Modelling and Simulation in Materials Science and Engineering*, 23(8), p.085003.
- Stricker, M. and Weygand, D., 2015. Dislocation multiplication mechanisms—Glissile junctions and their role on the plastic deformation at the microscale. *Acta Materialia*, 99, pp.130-139.
- Kapetanou, O., Weygand, D. and Zaiser, M., 2015. Stress and strain fluctuations in plastic deformation of crystals with disordered microstructure. *Journal of Statistical Mechanics: Theory and Experiment*, 2015(8), p.P08009.
- Weygand, D., Mrovec, M., Hochrainer, T. and Gumbsch, P., 2015. Multiscale Simulation of Plasticity in bcc Metals. *Annual Review of Materials Research*, 45, pp.369-390.
- Schmitt, S., Gumbsch, P. and Schulz, K., 2015. Internal stresses in a homogenized representation of dislocation microstructures. *Journal of the Mechanics and Physics of Solids*, 84, pp.528-544.

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