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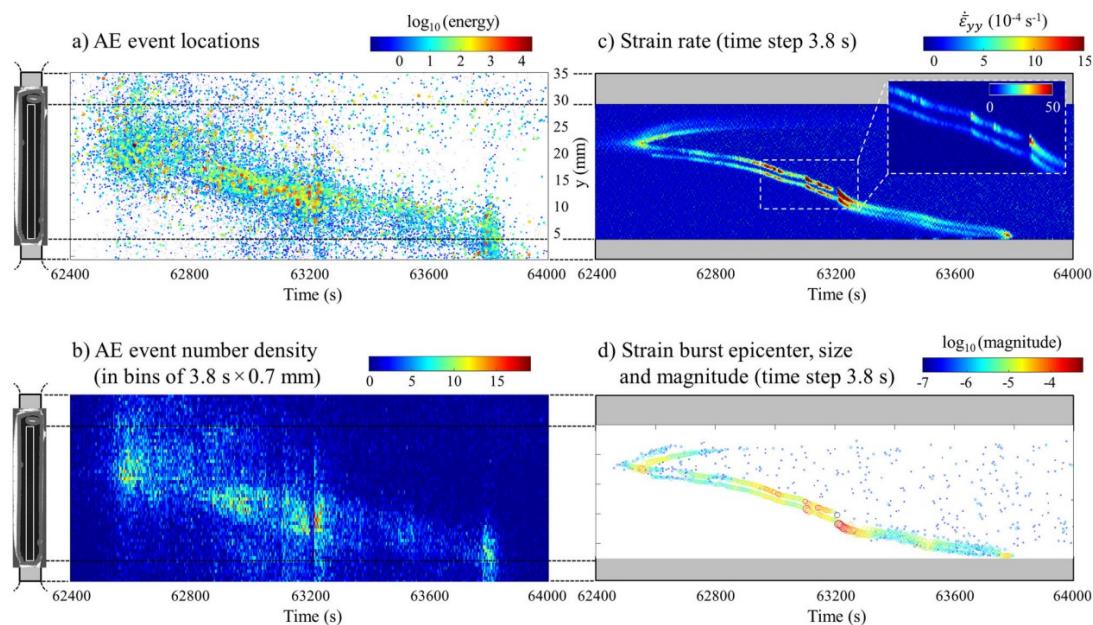
Bursty deformation of crystalline materials: some experimental, empirical, and modelling results

Prof. Giovanni Zanzotto

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when	28 February 2023
time	10.30–11.00
where	2R, DICAM, Mesiano

We report on recent experimental and empirical studies regarding the bursty strain behavior of memory alloys undergoing reversible martensitic transformations, highlighting the role of kinematic compatibility also on these avalanching phenomena. We present some related crystallographically-informed Ericksen-Landau type modeling, and associated results on strain intermittency.



The seminar is organized by the Solid and Structural Mechanics Group [D. Bigoni, F. Dal Corso, L. Deseri, D. Misseroni, M.F. Pantano, A. Piccolroaz, N. Pugno, R. Springhetti]