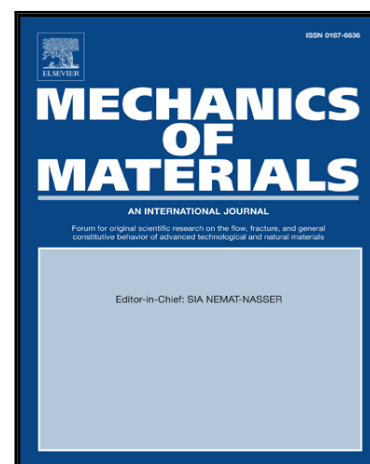


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Micromechanical analysis of two heat-treated dual phase steels:
DP800 and DP980

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Highlights

- Comparison of combined in-situ test with DIC technique results, with FEM results.
- Just 3D micromechanical model is able to estimate macro experimental result as well
- Three types of strain localization occur at low and high applied strains.
- The micromechanical models have negligible dependency on the boundary conditions.

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