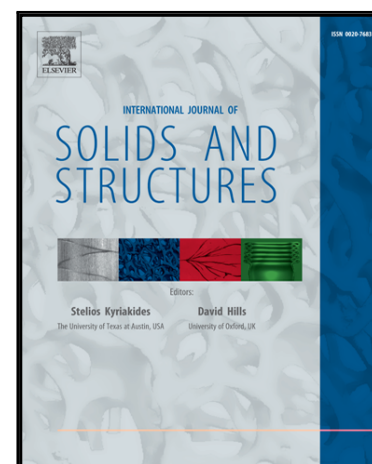


Accepted Manuscript

IDENTIFICATION OF THE POST-NECKING HARDENING RESPONSE OF RATE- AND TEMPERATURE-DEPENDENT METALS

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PII: S0020-7683(17)30107-5
DOI: [10.1016/j.ijsolstr.2017.03.012](https://doi.org/10.1016/j.ijsolstr.2017.03.012)
Reference: SAS 9500



To appear in: *International Journal of Solids and Structures*

Received date: 9 April 2016
Revised date: 30 October 2016
Accepted date: 11 March 2017

Please cite this article as: Paul Knysh , Yannis P. Korkolis , IDENTIFICATION OF THE POST-NECKING HARDENING RESPONSE OF RATE- AND TEMPERATURE-DEPENDENT METALS, *International Journal of Solids and Structures* (2017), doi: [10.1016/j.ijsolstr.2017.03.012](https://doi.org/10.1016/j.ijsolstr.2017.03.012)

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Highlights

- A procedure for post-necking material hardening identification is proposed
- Strain-rate and temperature effects are considered in a coupled way
- An isothermal experimental setup is designed and used for material testing
- An optimization method based on response surface methodology is implemented
- The family of hardening curves identified is verified using conventional tension test

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