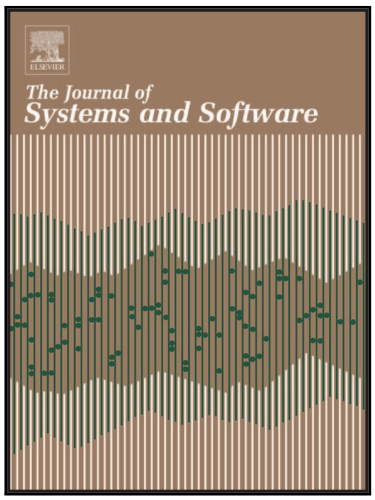

Automotive software engineering: A systematic mapping study

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PII: S0164-1212(17)30056-0
DOI: 10.1016/j.jss.2017.03.005
Reference: JSS 9936

To appear in: *The Journal of Systems & Software*

Received date: 5 July 2016
Revised date: 27 February 2017
Accepted date: 6 March 2017

Please cite this article as: Alireza Haghighatkhah, Ahmad Banijamali, Olli-Pekka Pakanen, Markku Oivo, Pasi Kuvaja, Automotive software engineering: A systematic mapping study, *The Journal of Systems & Software* (2017), doi: 10.1016/j.jss.2017.03.005

Highlight

- A comprehensive survey of literature on Automotive Software Engineering (ASE).
- 679 primary studies were identified, classified and analyzed with respect to five dimensions.
- Three most investigated areas include software architecture & design, testing and reuse.
- ASE seems to have high industrial relevance but is relatively lower in its scientific rigor.
- Validation & comparative studies are less represented and literature lacks practitioner-oriented guidelines.