

Accepted Manuscript

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PII: S0263-8223(16)32159-6

DOI: <http://dx.doi.org/10.1016/j.compstruct.2016.11.084>

Reference: COST 8045

To appear in: *Composite Structures*

Received Date: 14 October 2016

Revised Date: 23 November 2016

Accepted Date: 26 November 2016



Please cite this article as: Yu, T., Yin, S., Quoc Bui, T., Liu, C., Wattanasakulpong, N., Buckling isogeometric analysis of functionally graded ceramic-metal plates under combined thermal and mechanical loads, *Composite Structures* (2016), doi: <http://dx.doi.org/10.1016/j.compstruct.2016.11.084>

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ceramic-metal plates under combined thermal and mechanical loads

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Highlights

- Numerical results of thermal-buckling of functionally graded plates under combined thermal and mechanical loads are presented.
- An effective and accurate IGA formulation using FSDT for FGPs is developed.
- Effects of gradient index, plate aspect ratio, side-to-thickness ratio, skew angle, etc. on thermal–mechanical buckling behavior are investigated.
- Stability diagrams of thermal–mechanical buckling of FGPs are presented.

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