**Computational Methods in Contact Mechanics**

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**ABSTRACT**

Computational methods in contact mechanics have evolved greatly since the original node-to-node techniques prevalent in the 1960’s [1]. Today the focus is on techniques that are generic with respect to the geometrical configuration and uniformly stable over a wide variety of computational meshes, irrespective of the properties of the constitutive equation. Advances are being made in various directions such as iterative solution techniques, parallelization, adaptive mesh refinement, contact enforcement and detection algorithms, and the combination of different solid mechanical models, among others. This minisymposium offers a venue for the dissemination of recent work on computational methods for contact mechanics, ranging from numerical modeling and analysis to the implementation of the corresponding algorithms.

**REFERENCES**

1. Wohlmuth, B. "Variationally consistent discretization schemes and numerical algorithms for contact problems." Acta Numerica 20 (2011): 569-734.