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Multiscale Methods for Design of High Performance Coatings

This topic emphasizes new results in the development and application of multiscale techniques (both experimental and computational) toward the design of high-performance coatings. Particular applications of interest include thermal barrier coatings, wear coatings, and coatings for extreme environments.

Original research papers should be 3,000-6,000 words with up to 8 figures maximum; review papers should be 6,000-10,000 words with up to 15 figures maximum.

Detailed author instructions are available at: http://www.tms.org/AuthorTools/

Keywords for this topic: Ceramics; Experimental Methods; ICME; Modeling and Simulation; Surface Modification and Coatings; Coatings

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