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Special Issue on
Development and Applications of Nanocomposite Coatings

This special issue will review and highlight the most recent advances in nanocomposite materials with special reference to thermal and cold spray processing. The term nanocomposite is applied to multi-phase coating with particles, grains or structures that exhibit dimensions of less than 100 nm in at least one dimension.

Original research articles and review papers are solicited on all aspects related to nanocomposite coatings from scientific, technological or industry viewpoints. A contribution may deal with any aspect of processes, coating properties, testing and applications.

Topics include, but are not limited to:
• Review articles on nanocomposite materials that reference thermal and cold spray methods
• Development of coating methods for nanocomposite materials
• Advances in powder manufacturing routes for nanocomposite coatings
• Biomedical coatings and other niche markets
• Coatings for renewable and non-renewable energy sector
• Tribological coatings (e.g., friction, wear, corrosion, erosion)
• Mathematical and numerical modeling of nanocomposite coatings
• Characterization and evaluation of nanocomposite coatings

All contributions will be rigorously peer reviewed. Further information, including JTST submission procedures and advice on preparing your manuscript, can be found at http://www.springer.com/materials/surfaces+interfaces/journal/11666. Please indicate in your cover letter that you are submitting a contribution to the special issue on “Development and Applications of Nanocomposite Coatings”

Potential authors are highly encouraged to submit a tentative title and abstract to the Guest Editors by JULY 15, 2013.

Manuscript Submission deadline: October 31, 2013

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