

# Journal of Thermal Spray Technology®

## CALL FOR PAPERS

### Special Issue on Aerosol Deposition and Kinetic Spray Processes

#### Guest Editors

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This special issue focuses on original research articles and review papers on all aspects related to solid particle deposition of ceramics or other brittle materials by spray methods such as aerosol deposition, vacuum kinetic spray, granule spray in vacuum, cold gas spray of intermetallics from scientific, technological, and industrial perspectives. Case studies are also welcome.

Topics include, but are not limited to:

- Solid particle deposition of brittle materials such as ceramics, intermetallics, and composites
- Influence on coating formation of parameter adjustments to material properties for successful coating formation
- Understanding of room temperature impact consolidation (RTIC) and bonding mechanisms
- Understanding and control of residual stress
- Advanced modelling, numerical simulations, and experimental validations of fine particle behaviors upon impact
- Improvement of solid particle deposition process such as hybrid processes and scale-up trials
- Case studies of aerosol deposition and other kinetic spray processes of brittle materials
- Scale-up trials for industrial applications

All contributions will be rigorously peer-reviewed. Further information, including JTST submission procedures and advice on preparing your manuscript, can be found under the heading "For Authors and Editors" using the following link: <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 "Aerosol Deposition and Kinetic Spray Processes."

**Potential authors are highly encouraged to submit an abstract to Dr. Kentaro Shinoda ([kentaro.shinoda@aist.go.jp](mailto:kentaro.shinoda@aist.go.jp)) for consideration and comment prior to preparation of a full manuscript.**

**Abstract submission by December 15, 2019.  
Manuscript submission deadline: April 15, 2020**

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