CALL FOR PAPERS

Biomaterials: Thermal Spray Processes and Applications

Guest Editors
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This special issue focuses on original research articles and review papers on all aspects related to the thermal spray processing and applications of biomaterials from scientific, technological, or industrial perspectives.

Topics include, but are not limited to:

- Feedstock powders and consumables used to form biomaterial coatings via thermal spray processes.
- Thermal spray processes for biocoatings; e.g., plasma, cold spray, HVOF, VPS, etc.
- Advanced coating characterizations and testing of biomaterial coatings (microstructure, hardness, phase structure and stability, material properties, osteoconductivity, etc.).
- Biological (in vivo and in vitro) testing of biomaterials with relevance to thermal spray.
- Regulatory control and standards for biomaterials.
- Case studies and reports concerning thermal spraying for biomaterial applications.
- Technological and industrial issues.
- Market studies and cost economics for biocoatings and biomaterials formed by thermal spray methods.
- Training and educational needs for advancing biomaterials and biocoatings; e.g., curriculum needs, workshops etc.

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 “Biomaterials: Thermal Spray Processes and Applications.”

Potential authors are highly encouraged to submit an abstract to Dr. Berndt (cberndt@swin.edu.au) for consideration and comment prior to preparation of a full manuscript.

Abstract submission: to Dr. Christopher C. Berndt by May 21, 2018.
Manuscript submission deadline: July 30, 2018

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