Mini-Symposium Title:

**Graded Architecture and Processing**

Organizers:

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Description:

FGMs have been inspiring researchers worldwide to effectively manipulate and combine irreconcilable properties and functionalities of conventional materials to fabricate a new generation of advanced composites for a huge realm of challenging applications. In order to design and fabricate further advanced FGMs, control of graded architecture and processes to realize the architecture are highly required. In this symposium, recent advances on the processes, particularly powder processing, SPS processing, centrifuge process and additive manufacturing process will be discussed.

Invitees: KEYnote

Dr. Jean-Francois Silvain; Powder processing of graded functional structures

Prof. Hansang Kwon; Advanced graded architecture and SPS processing

Prof. Yoshimi Watanabe; Centrifuge process for advanced graded functional composites

Prof. Naoyuki Nomura; Graded microstructural control on additive manufacturing process