

ICM&P 2017

Advanced Materials and Processing Technology for Next Generation

June 4th – 8th, 2017

University of Southern California, Los Angeles, CA, USA

The 6th JSME/ASME International Conference on Materials and Processing 2017

ICM&P2017 (JSME, The 25th Materials and Processing Conference)

Organized by the Japan Society of Mechanical Engineering (JSME), the American Society of Mechanical Engineers (ASME)
And the North American Manufacturing Research Institution of the Society of Manufacturing Engineers (NAMRI/SME)

ABOUT THE CONFERENCE

In 2017, three leading international manufacturing and materials processing conferences – the 6th JSME/ASME International Conference on Materials and Processing (ICM&P) 2017 and the 12th ASME 2017 International Manufacturing Science and Engineering Conference (MSEC) and both co-sponsored by ASME and JSME, as well as the 45th NAMRC – An International Forum, sponsored by NAMRI/SME – will be collocated to better serve the needs of the manufacturing research community. The third-time collocated conference. In this time, these co-located conferences will be hosted by University of Southern California.

PURPOSE & SCOPE

Collaborated symposium of JSME, ASME, and NAMRI/SME in ICM&P2017 encourages the exploration of collaborative research and technology transfer and promotes professional networking. Papers reporting original and the latest basic and applied research in material and manufacturing processes and systems are sought. Research topics highlighted by ICM&P 2017 include, but are not limited to:

TECHNICAL TRACKS

TRACK 1: Materials

- 1-1. Polymer and Polymer Matrix Composites
- 1-2. Ceramics and Ceramic Matrix Composites
- 1-3. Advanced Structural/Functional Materials
- 1-4. Smart Materials and Structures
- 1-5. Novel Porous Materials and their Applications
- 1-6. Metals and Metal Matrix Composites

TRACK2: Processing

- 2-1. Advances in Processing of Polymer based Composites
- 2-2. Powder Metallurgy Materials and Processing
- 2-3. Advanced Casting and Semisolid Forming Techniques
- 2-4. Surface Modification Technology, Wear and Tribology
- 2-5. Mechanics of Interface and Advanced Welding and Joining Technology
- 2-6. Advanced Processing

2-7. Cutting, Forming and Joining of Traditional and Advanced Materials

2-8. Diesels/Die Free Metal Forming Process

TRACK 3: Measurement and Evaluation

- 3-1. Dynamic Behavior of Materials and Structures
- 3-2. Measurement Techniques and Nondestructive Evaluations for Materials, Structures and Processing

TRACK 4: Recent Trends in Materials and Processing

- 4-1. Advances in Traditional Manufacturing Processes
- 4-2. Smart Disaster Prevention/Mitigation Based on Novel Materials/Devices/Structures/Systems
- 4-3. Demonstration of Advanced Materials and Processing

TRACK 5: Poster

KEY SCHEDULE AND DEAD LINE

Abstract and Paper Submission Deadline; December 5th, 2016 (including 400 words abstract)

Draft Paper Submission Deadline; December, 5th, 2016, Final Paper Submission Deadline; March 8th, 2017