# ASME MED Advanced Materials Manufacturing (AMM) Technical Committee (TC)

## Report for MSEC 2020

## June 11, 2020

## A. Technical Committee Membership

**Number of continuing TC Members:** Total: **4** (list in Appendix). Membership updated on June 11, 2020, based on the 4-year-service rule established in 2008.

**TC Members to date:**

| | | |
|---|---|---|
| Saeed | Farahani | sfaraha@clemson.edu |
| Morteza | Sabet | ssabet@clemson.edu |
| Chenhui | Shao | chshao@illinois.edu |
| Azadeh | Sheidahei | sheidaei@iastate.edu |

**Chair:** Srikanth Pilla (Clemson University) spilla@clemson.edu
**Vice-Chair:** Miki Banu (University of Michigan) mbanu@umich.edu

## B. Update on MP TC Activities

### 1. MSEC 2020

- AMM TC received 3 symposium proposals and all 3 were approved and sponsored.
- TC member Miki Banu is the Technical Program Chair for MSEC 2020.

**List of Symposia (3)**

1. **2-1 High Performance Renewable Materials and Sustainable Manufacturing Session**
   - Miki Banu, University of Michigan
   - Elias Shakour, BASF Corporation elias.shakour@basf.com
   - Srikanth Pilla, Clemson University
2. **2-2 Data-Driven Plastics and Composites Manufacturing Systems Session**
   - Saeed Farahani, Clemson University
   - Curtis Frick, Kistler Instrument Corp. curtis.krick@kistler.com
   - Srikanth Pilla, Clemson University
3. **2-3 Integrative Manufacturing Systems for Advanced Composites and Multi-Material Hybrids**
   - Saeed Farahani, Clemson University
   - Miki Banu, University of Michigan
   - Srikanth Pilla, Clemson University

AMM TC recommended the following papers for inclusion in ASME journal. Also, one of the papers was nominated for best paper award.

| Session | Recommended Papers for Journal Publication | Best paper award? |
|---|---|---|

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|---|---|---|---|---|
| 2-1 | MSEC2020-8301 | 10225 | Influence of Loading Frequency on Thermal and Micro-Mechanical Damage During Fatigue of Flax Fiber Reinforced Composites | Yes |
| 2-2 | MSEC2020-8469 | 13247 | Online Quality Monitoring of Plastic Parts Using Real-Time Data from an Injection Molding Machine | No |
| 2-3 | MSEC2020-8443 | 13028 | Corrosion Evolution in Al/steel Dissimilar Joints | No |