

## **ECD ICACC 2015 Best Paper and Best Poster Awards**

### **Best Paper Awards:**

#### **1st Place:**

(ICACC-S10-021-2015) "Experimental and Numerical Determination of the Elastic Moduli and Freeze Cast MMC with Different Lamellae Orientation"

Matthias Merzkirch, Institute for Applied Materials, Karlsruhe Institute of Technology (KIT), Germany; Yuri Sinchuk, Institute of Engineering Mechanics, Karlsruhe Institute of Technology (KIT), Germany; Kay André, Weidenmann, Institute for Applied Materials, Karlsruhe Institute of Technology (KIT), Germany; Romana Piat, Institute of Engineering Mechanics, Karlsruhe Institute of Technology (KIT), Germany

#### **2nd Place**

(ICACC-S8-052-2015) "New Combined Method of MPS and FEM for Simulating Friction Stir Processing"

Hisashi Serizawa, Joining and Welding Research Institute, Osaka University, Japan; Fumikazu Miyasaka, Graduate School of Engineering, Osaka University, Japan

#### **3rd Place**

(ICACC-S5-017-2015) "In Vitro Degradation and Conversion of Melt-Derived Bioactive Glass Microfibers in Simulated Body Fluid"

Mohamed N Rahaman, Xin Liu, and Delbert E. Day, Department of Materials Sciences and Engineering, Missouri University of Science and Technology, USA

### **Best Poster Awards:**

#### **1st Place:**

(ICACC-S1-P014-2015) "Experimental Demonstration for Continuum Damage Mechanics Model of SiC/SiC Composites Using Digital Image Correlation Technique under UV light"

R. Maeno, Tokyo University of Science, Japan; T. Ogasawara, Japan Aerospace Exploration Agency, Japan; S. Ogihara, Tokyo University of Science, Japan.

#### **2nd Place**

(ICACC-S4-P035-2015) "Interaction of Indentation-induced Cracks on Single-crystal SiC",

C. Kunka, University of Florida, USA; A. Trachet, University of Florida, USA; G. Subhash, University of Florida, USA.

#### **3rd Place**

(ICACC-S8-P104-2015) "Synthesis and sintering behavior of Y<sub>2</sub>O<sub>3</sub> nanoparticles for transparent ceramics",

H. Ma, KAIST, Korea; W. Jung, KAIST, Korea; S. Jung, KAIST, Korea; D. Kim, KAIST, Korea.