

# ICACC 2020 poster awardees

## First place awards

*Growth of high purity zone-refined boron carbide single crystals by laser diode floating zone method*, **Michael Straker**, Morgan State University; **Ankur Chauhan, Kevin J. Hemker, Mekhola Sinha, W. A. Phelen**, Johns Hopkins University; **M. Chandrashekhar**, University of South Carolina; **Michael Spencer**, Morgan State University

*DFT Study of the Impact of Impurities in SiC Bulk and Grain Boundaries*, **Shawn P. Coleman, Matt Guziewski**, US Army Research Laboratory; **Cassidy Atkinson, Pamir Alpay**, University of Connecticut

*Atomic Layer Deposition of Ultra-High Temperature Ceramics as Hydrogen Environmental Barrier Coatings for Nuclear Thermal Propulsion*, **Sarah Bull, Theodore Champ, Charles Musgrave, Alan W. Weimer**, University of Colorado, Boulder; **Cynthia Adkins, Robert O'Brien**, Idaho National Lab; **William W. McNeary**, National Renewable Laboratory

## Second place award

*Biomass derived carbons and PDC functionalized carbon composite for electrochemical energy storage*, **Shakir Bin Mujib, Gurpreet Singh**, Kansas State University; **Beatriz Vessalli, Talita Mazon**, Centro de Tecnologia da Informação Renato Archer (CTI), Brazil; **Waldir Bizzo**, University of Campinas – UNICAMP, Brazil

## Third place awards

*Processing and Characterizing Al-doped Boron Carbide Bulk Ceramic*, **Qirong Yang, Eric Gronske, Chawon Hwang, Richard A. Haber**, Rutgers University

*Hydrothermal sintering: a low temperature densification process of ceramics*, **Lucas Villatte, Sylvie Bordere, Dominique Bernard, Marie-Anne Dourges, Alain Largeveau, Catherine Elissalde, Graziella Goglio**, Institut de la Chimie et de la Matière Condensée de Bordeaux, France

## Trustee awards

*Processing and Mechanical Characterization of Ice-templated Alumina-Epoxy Composites*, **Justine Marin, Sashanka. Akurati, Dipankar Ghosh**, Old Dominion University

*Mechanical Properties of Spark Plasma Sintered B<sub>4</sub>C*, **Ruslan Kuliiev, Nina Orlovskaya, Holden Hyer, Yongho Sohn**, University of Central Florida

*Partial amorphization and phase control of Cobalt nickel sulfide for an efficient oxygen evolution reaction*, **Sungwook Mhin**, Korea Institute of Industrial Technology, Korea

*Electric potential change of glasses by polishing with thermally oxide silicon*, **Ryo Fukuzaki, Seiichi Suda**, Shizuoka University, Japan