

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 Largeateau, 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 B₄C, **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