

**FY 2010-11 NASA EPSCoR Notices of Intent Received** (listed alphabetically by institution, last name)

BOR #	Name	Institution	Department
001	Daniels-Race , Theda <i>Synthesis and Electronic Characterization of NanoGUMBOS</i>	Louisiana State University	Electrical and Computer Engineering
002	Li , Guoqiang <i>Bio-mimetic Self-Healing Composite Sandwich for Impact Tolerant NextGen Aerospace Structures</i>	Louisiana State University	Mechanical Engineering
003	Peng , Lu <i>Implementing Reliable Computing Systems Against Space Radiations through Multiple Level Coordinated Optimizations</i>	Louisiana State University	Electrical and Computer Engineering
004	Wang , Ying <i>High-Performance Lithium-ion Rechargeable Batteries for Space Systems</i>	Louisiana State University	Mechanical Engineering
005	Davis , Despina <i>Magnetic Sensors for Rapid Assessment of Nanoparticle-Cell Interactions</i>	Louisiana Tech University	Chemical Engineering/IfM
006	Jones , Conrad <i>Nonesterified Renewable Diesel (NERD) as a Potential Alternative Fuel for Aviation</i>	Southern University	Chemistry
007	Johannesson , Karen <i>Investigating Life on Early Earth using Geochemical Trace Element Signatures: Process Oriented Examination of the Uptake of Lanthanides by Modern Microbialites as Analogs to the Past</i>	Tulane University	Earth and Environmental Sciences
008	Pratt , Lawrence <i>Characterizing Primitive Biomolecular Mechanisms and Habitability of Methane Worlds Like Titan</i>	Tulane University	Chemical and Biomolecular Engineering
009	Gang , Daniel <i>Development and Evaluation of Nano-Scaled Mesoporous Sorbents for Space Water Recovery Systems (WRS)</i>	University of Louisiana at Lafayette	Civil Engineering
010	Guo , Boyun <i>Purification of Wastewater for Advanced Life Support in Manned Space Ships</i>	University of Louisiana at Lafayette	Petroleum Engineering
011	Hayatdavoudi , Asadollah <i>Development of Equipment and Technologies to Promote Safe Removal and Dispersal of Accumulated Particulate Matter</i>	University of Louisiana at Lafayette	Petroleum Engineering

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BOR #	Name	Institution	Department
012	Wu , Hongyi <i>Resource-Efficient Control for the Interplanetary Network Backbone (RECIPE)</i>	University of Louisiana at Lafayette	Center for Advanced Computer Studies
013	Akyuzlu , Kazim <i>Development of Non-Intrusive Temperature and Velocity Measurement Techniques and Computer Models for Liquid Rocket Exhaust Plume Diagnostics</i>	University of New Orleans	Mechanical Engineering
014	Dong , Pingsha <i>A Shear Band Localization Model for Simulating Friction Stir Processing of Advanced Space Launch Vehicle Materials</i>	University of New Orleans	Naval Architecture and Marine Engineering
015	Li , X. Rong <i>Integrated Information Processing and Networked Management for Aircraft Trajectory-Based Operations</i>	University of New Orleans	Electrical Engineering
016	Stokes , Kevin <i>High-Efficiency Thermoelectric Nanocomposite Materials for Power Generation Applications</i>	University of New Orleans	Physics/AMRI
017	Zhou , Weilie <i>Three-Dimensional Nanomaterial Composites for Space Radiation Detection</i>	University of New Orleans	AMRI
018	Sunda-Meya , Anderson <i>Ferroelectric Nanowires: Synthesis, Characterization, and Structure-Property Relationships</i>	Xavier University	Physics