



KENNESAW STATE
UNIVERSITY
OFFICE OF RESEARCH

FY 2020 Faculty Pilot/Seed Grants

Principal Investigator(s)	Department(s)	Project Title
Geil, Mark	Exercise Science	Do Sensory Insoles Increase Heel Contact in Children Diagnosed with Idiopathic Toe Walking?
Greensmith, Cameron	Social Work & Human Services	Understanding Healthcare Providers' Knowledge of LGBTQ Health in the American South
Li, Joy & Mei, Chao	Software Engineering & Game Development	Towards a Framework of Dynamic Affective Virtual Environment Gaming for Depression Detection Using Psychophysiological and Behavioral Analysis
Link, Tanja & Crank, Beverly	Sociology & Criminal Justice	Pokket: Get a GRIP on a Fresh Start
Lyon, Jonathan	Chemistry & Biochemistry	Improving the Ammonia Synthesis Reaction on Novel Catalysts
Myers, Marrielle	Elementary & Early Childhood Education	Meaningful Mathematics Partnerships: Teachers, Parents, Students & Communities
Park, Jungkyu	Mechanical Engineering	Reusable 3D Carbon Seawater Filter
Salman, Muhammad	Mechanical Engineering	Development and Verification of a Low-Cost Device to Measure Human Muscle/Tendon Stiffness Using Shear Waves
Seo, Youngguk & Park, Jungkyu	Civil & Construction Engineering	A Graphene-OGFC Composite to Heal the Micro-Cracks in Interstate Highways
Stachura, Eric	Mathematics	Mathematical Analysis of Optical Phenomena in Exotic Materials
Tekes, Coskun	Computer Engineering	Development of Ultrasound Based Finger Motion Detection System for Upper Limb Amputees
Tian, Xian (Shirley) & Li, Zhigang	Information Technology	Collaborative Guided Learning Pedagogy for Information Security Topics