

RECENT AWARDS:

March 2021:

PI: Baojun Bai

Department: Geosciences & Geological & Petroleum Engineering

Proposal Title: PGCCIC Purchase Consistometer to Evaluate the Re-associated Particle Gel for Conformance Control and Fluid Loss Control

Sponsor: Daqing Xinwantong Science and Technology Development Company

Award: \$20,000

PI: David Michael Borrok

Department: Geosciences & Geological & Petroleum Engineering

Proposal Title: PGCCIC Purchase Consistometer to Evaluate the Re-associated Particle Gel for Conformance Control and Fluid Loss Control

Sponsor: ConocoPhillips

Award: \$40,000

PI: Daryl G Beetner

Department: Electrical and Computer Engineering

Proposal Title: CEMC Membership for Deere & Company

Sponsor: Deere & Company

Award: \$70,000

PI: Daryl G Beetner

Department: Electrical and Computer Engineering

Proposal Title: CEMC Membership for LG Electronics

Sponsor: LG Electronics

Award: \$70,000

PI: Daryl G Beetner

Department: Electrical and Computer Engineering

Proposal Title: CEMC Membership Agreement for Cadence

Sponsor: Cadence Building Systems, Inc.

Award: \$70,000

PI: Daryl G Beetner

Department: Electrical and Computer Engineering

Proposal Title: Phase III IUCRC at Missouri University of Science and Technology: Center for Electromagnetic Compatibility

Sponsor: NSF Division of Industrial Innovation and Partnership

Award: \$100,000

PI: Bridgette Anne Betz

Department: Student Financial Aid

Proposal Title: Federal Cares Act Emergency Financial Aid Grant (HEERF II)

Sponsor: US Department of Education Student Aid

Award: \$2,602,799

PI: Casey Inez Canfield

Department: Engineering Management and Systems Engineering

Proposal Title: OVERCOME21: A Systems Approach to Scaling Rural Coop Efforts to Expand the Fiber Edge

Sponsor: US Ignite

Award: \$92,488

PI: Andreas Eckert

Department: Geosciences & Geological & Petroleum Engineering

Proposal Title: Integrated Numerical-Laboratory Approach to Evaluate Annular Permeability and Pressure Loss at Mont Terri

Sponsor: BP America Production Co

Award: \$220,329

PI: Islam Hassan Hassanein El-adaway

Department: Civil, Architectural and Environmental Engineering

Proposal Title: Alleviating Electric Grid Consumption: Understanding Consumer and Utilities Response to Infrastructure Investment in Distributed Solar Generation

Sponsor: NSF Division of Civil, Mechanical & Manufacturing Innovation

Award: \$16,000

PI: Chulsoon Hwang

Department: Electrical & Computer Engineering

Proposal Title: CEMC Membership for Sony (EMC-RFI)

Sponsor: Sony Global Manufacturing and Operations Corp

Award: \$70,000

PI: Chulsoon Hwang

Department: Electrical & Computer Engineering

Proposal Title: CEMC Membership for Samsung

Sponsor: Samsung Corporation

Award: \$70,000

PI: Victor Khilkevich

Department: Electrical & Computer Engineering

Proposal Title: CEMC Membership for Juniper Networks

Sponsor: Juniper Networks, Inc.

Award: \$70,000

PI: DongHyun Kim

Department: Electrical & Computer Engineering

Proposal Title: CEMC Membership for Intel Corporation (Oregon)

Sponsor: Intel Corp

Award: \$70,000

PI: Aditya Kumar

Department: Materials Science & Engineering

Proposal Title: Collaborative Research: Decoding the Corrosion of Borate Glasses: From Fundamental Science to Quantitative Structure-Property Relationships

Sponsor: NSF Division of Materials Research
Award: \$77,249

PI: Simon Naumovich Lekakh
Department: Materials Science & Engineering
Proposal Title: Multiscale Modeling of Corrosion and Oxidation Performance and Their Impact on High-temperature Fatigue of Automotive Exhaust Manifold Components
Sponsor: Ford Motor Company
Award: \$133,474

PI: FueWen Frank Liou
Department: Mechanical & Aerospace Engineering
Proposal Title: Development of High Throughput Mechanical Properties Testing
Sponsor: Battelle/INL
Award: \$95,500

PI: Suzanna K. Long
Department: Engineering Management and Systems Engineering
Proposal Title: Effectiveness of Speed Management Methods in Work Zones (MCTI)
Sponsor: Missouri Department of Transportation
Award: \$25,268

PI: Hongyan Ma
Department: Civil, Architectural and Environmental Engineering
Proposal Title: Collaborative Research: In-situ Production of Calcium Carbonate Nanoparticles in Fresh Concrete--REU Supplement
Sponsor: NSF Division of Civil, Mechanical & Manufacturing Innovation
Award: \$16,000

PI: Jeremy Lee Maurer
Department: Geosciences & Geological & Petroleum Engineering
Proposal Title: Strain Rate Estimation and Back-Slip Models with Uncertainty for the New Zealand National Seismic Hazard Map Project
Sponsor: GNS Science
Award: \$65,880

PI: Cuba A Plain
Department: Finance and Administration
Proposal Title: Federal Cares Act Emergency Relief Fund for Missouri S&T
Sponsor: Department of Education
Award: \$5,516,180

PI: Jagannathan Sarangapani
Department: Electrical and Computer Engineering
Proposal Title: Deep Neural Network Learning Control of Complex Dynamical Systems
Sponsor: Office of Naval Research
Award: \$156,729

PI: Ryan Smith

Department: Geosciences & Geological & Petroleum Engineering

Proposal Title: Integration of the InSAR with Airborne Geophysical Data for the Development of Groundwater Models

Sponsor: Stanford University

Award: \$14,943

PI: Jianmin Wang

Department: Civil, Architectural and Environmental Engineering

Proposal Title: Anaerobic Digestion of Food Waste

Sponsor: Ozark Rivers Solid Waste Management District

Award: \$47,349

PI: Donald C Wunsch II

Department: Electrical & Computer Engineering

Proposal Title: IPA for Donald Wunsch with the National Science Foundation

Sponsor: NSF Directorate Engineering

Award: \$296,747

February 2021:

PI: Baojun Bai

Department: Geosciences & Geological & Petroleum Engineering

Proposal Title: PGCCIC Membership: Daqing Xinwantong Chemical Co., LTD

Sponsor: Daqing Xinwantong Science and Tech Development Co.

Award: \$60,000

PI: Bridgette Anne Betz

Department: Student Financial Assistance

Proposal Title: Federal Work Study Program FY22

Sponsor: US Department of Education Student Aid

Award: \$236,454

PI: Bridgette Anne Betz

Department: Student Financial Assistance

Proposal Title: Supplemental Ed Opportunity Grant FY22

Sponsor: US Department of Education Student Aid

Award: \$244,467

PI: Bridgette Anne Betz

Department: Student Financial Assistance

Proposal Title: PELL Grant for FY22

Sponsor: US Department of Education Student Aid

Award: \$7,500,000

PI: Douglas A. Bristow

Department: Mechanical and Aerospace Engineering
Proposal Title: CAMT: Bodine Aluminum, Inc. Membership
Sponsor: Bodine Aluminum, Inc.
Award: \$50,000

PI: Douglas A. Bristow
Department: Mechanical and Aerospace Engineering
Proposal Title: CAMT: Steelville Membership
Sponsor: Steelville Manufacturing Co
Award: \$30,000

PI: Douglas A. Bristow
Department: Mechanical and Aerospace Engineering
Proposal Title: Embedding Distributed Fiber Optic Sensors in Laser Deposition Modeling Metal Additive Manufactured Components
Sponsor: Triad National Security, LLC
Award: \$40,000

PI: Marco Cavaglia
Department: Physics
Proposal Title: Women in Physics Group Grant--APS (Dripta Bhattacharjee and Yanyan Zheng)
Sponsor: American Physical Society
Award: \$1,450

PI: Steven M. Corns
Department: Engineering Management and Systems Engineering
Proposal Title: Deep Learning for Unmonitored Water Level Prediction and Risk Assessment
Sponsor: Missouri Department of Transportation
Award: \$45,100

PI: William G Fahrenholtz
Department: Materials Science and Engineering
Proposal Title: Detonation Synthesis of Nanomaterials
Sponsor: Army Research Office
Award: \$85,000

PI: Chulsoon Hwang
Department: Electrical and Computer Engineering
Proposal Title: CEMC Membership Agreement for Asustek Computer, Inc.
Sponsor: Asustek Computer Inc
Award: \$70,000

PI: Catherine Emily Johnson
Department: Mining and Nuclear Engineering
Proposal Title: Open-Field Blast Core Facility
Sponsor: Department of Veterans Affairs
Award: \$88,224

PI: DongHyun Kim

Department: Electrical and Computer Engineering
Proposal Title: CEMC Membership Agreement for Cisco SI
Award: \$70,000

PI: DongHyun Kim
Department: Electrical and Computer Engineering
Proposal Title: CEMC Membership Agreement for Google LLC
Sponsor: Google, LLC
Award: \$70,000

PI: Xinhua Liang
Department: Chemical and Biochemical Engineering
Proposal Title: Highly Dispersed Metal Nanoparticles Prepared by Atomic Layer Deposition for Efficient Catalytic Processes
Sponsor: Battelle Energy Alliance, LLC
Award: \$15,000

PI: Ashok Midha
Department: Mechanical and Aerospace Engineering
Proposal Title: Senior Design: Design Improvements on an Existing Wheelchair Rocker
Sponsor: Rocker Pad
Award: \$3,500

PI: Ashok Midha
Department: Mechanical and Aerospace Engineering
Proposal Title: Senior Design: Design and Development of an Automatic Parking Brake Actuator
Sponsor: Orschlen Products
Award: \$5,500

PI: Ashok Midha
Department: Mechanical and Aerospace Engineering
Proposal Title: Senior Design: Design & Implementation of a Large-Scale Fixturing System for Production Assembly
Sponsor: Kelvion, Inc
Award: \$10,000

PI: Ashok Midha
Department: Mechanical and Aerospace Engineering
Proposal Title: Senior Design: Design & Development of Flagpole Painting Mechanism
Sponsor: Clear Horizon, LLC
Award: \$2,500

PI: Phillip Russell Mulligan
Department: Geosciences & Geological & Petroleum Engineering
Proposal Title: Particle Size Sensitivity for RDX
Sponsor: Accurate Energetic Systems
Award: \$3,010

PI: Phillip Russell Mulligan

Department: Geosciences & Geological & Petroleum Engineering

Proposal Title: BlackBox Biometrics Wearable Gauges

Sponsor: BlackBox Biometrics, Inc.

Award: \$10,224

PI: Ronald J O'Malley

Department: Materials Science & Engineering

Proposal Title: Grid-Interactive Steelmaking with Hydrogen (GISH)

Sponsor: Department of Energy

Award: \$1,602,661

PI: Heath A. Pickerill

Department: MO LTAP

Proposal Title: MoSTIC LTAP Safety Circuit Rider 2021

Sponsor: Missouri Department of Transportation

Award: \$60,000

PI: Heath A. Pickerill

Department: MO LTAP

Proposal Title: Missouri Rural Transit Assistance Program

Sponsor: Missouri Department of Transportation

Award: \$289,609

PI: Cuba A Plain

Department: Finance and Administration

Proposal Title: Federal CARES Act Emergency Relief Fund for Missouri S&T

Sponsor: Meramec Regional Planning Commission

Award: \$399,207

PI: Cuba A Plain

Department: Finance and Administration

Proposal Title: Federal CARES Act Emergency Relief Fund for Missouri S&T

Sponsor: Meramec Regional Planning Commission

Award: \$46,165

PI: Cuba A Plain

Department: Finance and Administration

Proposal Title: Federal CARES Act Emergency Relief Fund for Missouri S&T

Sponsor: Meramec Regional Planning Commission

Award: \$99,050

PI: Joshua Paul Schlegel

Department: Mining & Nuclear Engineering

Proposal Title: Undergraduate Scholarships in Nuclear Engineering at Missouri S&T (2020-2022)

Sponsor: Nuclear Regulatory Commission

Award: \$200,000

PI: Honglan Shi

Department: Chemistry

Proposal Title: Side-Effects of Ozone Treatment and Irritant Detection in Modern Aquariums

Sponsor: Bass Pro

Award: \$20,150

PI: Paul Nicholas Worsey

Department: Mining & Nuclear Engineering

Proposal Title: Agreement of Services, Access and Rates for Missouri S&T Experimental Mine

Sponsor: Asymmetric Solutions ASUSA PRO, LLC

Award: \$15,802

PI: Aaron Zalis

Department: South Central Regional Professional Development Center

Proposal Title: Non-Traditional Even(s) Program

Sponsor: Missouri Department of Elementary and Secondary Education

Award: \$1,700

FUNDING SEARCH ENGINES:

Federal Grants World

<http://grants.gov/>

PIVOT - Funding Opportunity Database

<http://pivot.proquest.com/>

National Science Foundation

<https://www.nsf.gov/funding/index.jsp>

Foundations Directory Online

<https://fconline.foundationcenter.org/ipl.php>

Research Enabled

<https://www.researchenabled.org/>