

PAMIR ALPAY

1. Collins Aerospace (formerly United Technologies Corp. Aerospace Systems, UTAS) – Center for Advanced Materials, Collins Aerospace [PI (25%) and Director, co-PIs R. J. Hebert, M. Aindow, S. L. Suib, \$2,171,117 (\$1,000,000 base funding), 02/01/2016 - 01/31/2021

RAJEEV BANSAL

1. UTRC Professional Services Agreement, \$32,000, 2017-2019

KELLY BURKE

1. Bioinspired and Bioderived Materials for Integrating Soft Matter and Polymer Research with Education, US Department of Education, \$746,250,10/1/18 – 9/31/21, \$746,250

YANG CAO

1. "Large Scale Quality Assurance and Longevity Testing on Novel Motor Insulation Materials for High Torque Density", ONR, notice of award, \$600k, 6/1/2019-5/31/2022
2. "Accelerated co-designs of High-k Polymer Dielectrics", ONR, notice of award, \$465k, 3/1/2019-2/28/2022
3. "Axial Winding Motor Insulation", Komatsu, \$50k, 5/1/2018-4/30/2019.
4. "MURI-Tracking, Diagnosing and Impeding Dielectric Breakdown in Polymers", ONR, \$7.5M,8/1/2017-7/31/2022.
5. NSF Phase I i/UCRC University of Connecticut Site: Center for Novel High Voltage/Temperature Materials and Structures (HVT), Feb.2017-Feb.-2020, \$300k
6. NSF HVT Collaborative Research - Marmon, G&W Electric, \$60k, Feb.1 2018-Feb.28, 2019
7. "Computation of Gas Dynamics and Measurement of Gas Temperature in Low Voltage Circuit Breakers", Sponsor: General Electric Company, \$100k, 1/1/2018-12/30/2018
8. "Computation of Gas Dynamics and Measurement of Gas Temperature in Low Voltage Circuit Breakers", Sponsor: General Electric Company, \$100k, 1/1/2019-12/30/2019
9. "Grid Hardening against Geomagnetic Disturbance", Eversource \$50k, 1/1/2018-12/30-2018
10. Project Title: "Grid Hardening against Geomagnetic Disturbance", Eversource, \$50k, 1/1/2019-12/30-2019
11. "Nanostructured Dielectric Insulation for High Power Density Next Gen Propulsion Motor", Sponsor: ONR (N00014-15-1-2413), \$600k, Performance Period: 05/15/2015 - 05/14/2019
12. "Promotion of Ethylene-Propylene Rubber Cable Technology", Sponsor: Exxon-Mobil, ECC, Kerite, Okonite, Lion-Copolymer, \$2,207k, Performance Period: 11/01/98 - 12/31/2020
13. "Investigation of New Dielectric Fluid as SF6 alternative" (Phase 1I), Sponsor: G&W Electric., \$40k, 03/24/2018 - 3/14/2019
14. "Collaboration on HVDC for Aerospace Applications", UTRC/NASA, \$100k, 1/1/2018-3/30/2019

15. "Rational Design of Advanced Polymeric Capacitor Films via Synergistic Computations, Synthesis and Characterization", ONR, \$1.05M, 6/1/2016-12/30/2019

MARTIN HAN

1. "Focused Ultrasound Neural Stimulation for Spinal Cord Injury," Dept. of Defense-Army, CDMRP (Role: Co-PI), W81XWH-17-1-0538, \$308,450 (UConn), 8/15/2017 - 5/14/2020
2. "Towards Clinical Translation of Penetrating Multisite Device for Cochlear Nucleus," NIH/NIDCD (Role: P.I.), R01DC014044-01A1, \$1,708,000, 3/19/2015 - 2/29/2020
3. "Functional Stimulation for Neural Regeneration,"(PI: Min Tang-Shomer (Jackson Labs), Role: Co-I), NIH R01, \$555,000 (UConn), 9/1/2019 -8/31/2024 (Pending)

RAINER HEBERT

1. Computational and experimental studies of laser powder interactions, Pratt & Whitney, \$30,000, 1/1/19-12/31/19
2. Searching for novel additively manufacturableAl alloys for aerospace applications, Collins Aerospace, \$150,000 (Co-PI), 1/1/19-12/31/19
3. Electron microscopy studies of AM parts, Thermo Fisher Scientific, \$100,000, 7/1/18-6/30/19

BRYAN HUEY

1. Ferroelectric and Dielectric Properties of Ultrathin Functional Films, Murate Inc., \$140k, 2014-2019
2. Development of Tomographic AFM, NSF-MRI, \$995k, 2017-2010
3. Determination of Real-World Power Change Rates in PERC Modules using Novel Characterization Techniques, DOE-PVRD2, \$210k, 2017-2020

SEOK-WOO LEE

1. Development of Small-Volume, High-Precision, and Reliable Cryogenic Linear Actuators by Using Novel Intermetallic Compounds, NASA Early Career Faculty (ECF), \$ 586,648, Start/End Dates: 10/03/16 – 10/02/19
2. Mechanical Properties of Metals at The Micrometer Scale in Different Environments, Department of Energy - Basic Energy Science, \$ 367,566, Start/End Dates: 8/01/18 – 7/31/21

YAO LIN

1. Material Properties of Complex Macromolecules Containing Synthetic Polyamino Acids, PI: Yao Lin, NSF, Division of Materials Research, Polymers Program, \$ 438,186, 06/01/2018 - 05/31/2021

ANSON MA

1. Characterization of Microspheres, Pfizer, \$30,000, 1/1/19 – 6/30/19
2. Printing flexible electronics, UTRV, \$192,016, 12/31/15 – 3/1/2019
3. Deposition science, Unilever, \$75,000, 10/26/17 – 2/11/19

MU-PING NIEH

1. Signal-Amplification for Instrument-Free, Multiplexed Immunoassay - a Generalized Platform for Biosensing (co-PI, PI: Lei), NSF CBET NanoBioSensing, \$300,413, 06/01/2015 – 05/31/2018
2. Bioinspired and Bioderived Materials for Integrating Soft Matter and Polymer Research with Education (co-PI, PI: Burke), Department of Education, \$746,250, 10/01/2018 – 9/30/2021
3. Characterization of RNA nanoparticles with neutron and X-ray scattering (PI), Moderna Therapeutix Inc., \$75,000, 05/01/2018 – 04/30/2019
4. (NANO)2: Gold Nanoclusters in Lipid Nanodiscoidal Bicelles as a Potential Nanodiagnostic Platform: Experiment and Computer Modeling (PI), NSF CBET PMP, \$369,482, 06/01/2016 – 05/31/2019
5. Collaborative Research: Advanced Biomanufacturing of Functional Bionanoparticles for Biomedical Engineering Applications (co-PI, PI – Lei), NSF CBET, \$321,177, 06/01/2016 – 05/31/2019
6. Structural Characterization of RNA-lipid nanoparticles (PI), Moderna Pharmaceutical Inc., \$75,000, 03/12/2018 – 03/11/2019