



Sandia University Partnerships Network
UNIVERSITY OF TEXAS AT AUSTIN

Sandia-UT FY24 LDRD Q1 Kick-Off/Info Meeting

UT Team:

Alex Roesler

Campus Executive | awroesl@sandia.gov

Nadine Miner

Campus Partnership Manager | neminer@sandia.gov

Hannah Stangebye

Technical Business Dev. Specialist | hstange@sandia.gov

Michael Green

Admin Support & Communications | mgreen3@sandia.gov

Michelle Pang

Recruiting Lead | mapang@sandia.gov



Sandia National Laboratories is a multimission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell International Inc., for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-NA0003525.

Agenda



Sandia University Partnerships Network
UNIVERSITY OF TEXAS AT AUSTIN

- Welcome and Introductions
- FY24 LDRD Supplemental Awards
- FY24 SUPN LDRD Expectations
- Contracting and Invoicing: Tips and Tricks
- Q&A

Sandia University Partnerships Network (SUPN)



Sandia University Partnerships Network
UNIVERSITY OF TEXAS AT AUSTIN

SUPN Goals

- Cultivate Strategic & Enduring Institutional Relationships
- Build & Grow Impacts of Research Collaborations
- Stimulate Workforce Development

UT Strategic Engagement Areas

- Microelectronics
- Climate and Energy Security
- Additive Manufacturing
- Radiation Energy and Pulsed Power

Sandia's Academic Alliance Partner Universities:



Institutional Interfaces



Sandia University Partnerships Network
UNIVERSITY OF TEXAS AT AUSTIN

Sandia



Doug Kothe

*Associate Lab Director &
Chief Research Officer*



Justine Johannes

*Associate Lab Director &
UT Executive Champion*



Alex Roesler

*UT Campus
Executive*



Nadine Miner

*Campus Partnership
Manager*



Hannah Stangebye

*Partnership
Development*



Basil Hassan

*Deputy Chief Research
Officer*



Diane Peebles

*Academic Programs
Senior Manager*



Amanda Dodd

*UT Deputy Campus
Executive*



Leslie Phinney

*UT Deputy Campus
Executive*



Brandon Heimer

*UT Deputy
Campus Executive*



Michael Green

Administrative Support



Michelle Pang

UT Recruiting Lead



Nicole Streu

Recruiting Specialist



Corrine Harvey

*SUPN LDRD
Financial Lead*

UT Austin



Sharon Wood

*Executive Vice President
and Provost*



Dan Jaffe

*Vice President of
Research*



Jennifer Lyon- Gardner

*Deputy Vice President for
Research*



Fernanda Leite

*Associate Dean for Research,
Cockrell School of Engineering*



Karen Willcox

Director, Oden Institute



Eloisa Acha

*Executive Director Industry
and Research Relations,
Cockrell School of Engineering*



Sara Hernando

*Assistant Director for Research
Engagements, Office of the Vice
President for Research*



Bill Charlton

*Faculty Liaison for Sandia
Partnership, Professor and
Director for Nuclear Engineering
Teaching Laboratory*

Sandia-funded LDRD Projects at UT



Sandia University Partnerships Network
UNIVERSITY OF TEXAS AT AUSTIN

- Sandia and UT Austin have a long history of successful collaborations with Sandia funding numerous research projects each year
- Sandia's Total SUPN LDRD Investments at UT Austin since 2015 >\$21M

FY24 SUPN Funded LDRD Portfolio

- FY24 UT Alliance Partner Budget: \$1.1M
 - \$2M requested
 - 12 Supplemental LDRD projects selected: 4 new and 8 continuing
 - 11 student researchers engaged so far

Announcing FY24 UT SUPN LDRDs

FY24 Budget \$1.1M



Sandia University Partnerships Network
UNIVERSITY OF TEXAS AT AUSTIN

Index	PO #	Title	Investment Area	Sandia PI	UT Faculty PI	Student Researcher
1	2527297	Deep Learning for seismic inversion to produce rapid, accurate, and high-resolution seismic velocity models	Earth Science	Jennifer Harding	Mrinal Sen, JSG	NEW
2	2538918	Enabling Low-Temperature Sprayed Coatings of Brittle Materials	Materials Science	Thomas Hardin	Desiderio Kovar, ME	NEW
3	2543854	Optimization of Fiber-Reinforced Materials for Lightweighting	Materials Science	Michael Chandross	Filippo Mangolini, ME	NEW
4	None	Discovery of Conductive Inks and Electronic Devices co-Designed with Closed-Loop, Autonomous, Reinforcement Ecosystems (DCIEDD 'Decide' with CARE	Materials Science	Elliott Fowler	John Foster, Petroleum Engr	NEW
5	2302990	Sustainable Bioinspired Harvesting of Rare Earth Materials	Materials Science	Erik Spoerke	Ren Pengyu, Biomed Engr	Elizabeth Wait
6	2475543	Using Distributed Acoustic and Temperature Sensing (DATS) To Characterize The Rapidly Changing Nearshore Arctic Ocean	Earth Science	Adrian Stanciu	Matt Malkowski, JSG	Isabel Held (student), Corel Olariu (Research Scientist)
7	2317831	Nonlinear Dendritic Processing in Next-Generation Neuromorphic Architectures	Computing and Information Sciences	Frances Chance	Andreas Gerstlauer, ECE	James Boyle
8	2331236	Resilience to Disinformation: Extending Resilience Theory to Quantify and Improve Organizational Security Postures	National Security Information Sciences & Technology	Thushara Gunda	Sirkka Jarvenpaa, McCombs	John-Patrick (JP) Akinyemi
9	2427269	Ultra-Low SWaP All-Acoustic Signal Processing to Reconfigure Radio Frequency Front Ends in Contested Environments	National Security Programs	Lisa Hackett	Ruo Chen Lu, ECE	Jack Kramer
10	2408122	Interfacial modifications to improve performance and safety in rechargeable lithium metal batteries	Energy and Homeland Security/ Truman Fellowship	Josefine McBrayer	David Mitlin, ME	Garrett Michalke
11	2432309	Miniature, low-power, universal greenhouse gas sensor	Energy and Homeland Security	Philip Miller	Tanya Hutter, ME	Aminur Chowdhury; David King; Sahana Vinayak
12	2422707	Coupled Hydro-thermo-biogeochemical modeling For Predicting Arctic Carbon Emissions (CH4PACE)	Earth Science	David Fukuyama	Peter Flemings, JSG	Tanner Mills

FY24 Supplemental LDRD Expectations



Sandia University Partnerships Network
UNIVERSITY OF TEXAS AT AUSTIN

Goal of these projects is to enhance the Sandia-UT partnership resulting in enduring collaborations.

→ These projects are considered “Seeds” to facilitate joint research, leading eventually to successful *joint external proposals and wins!*

Overarching UT Supplemental LDRD Expectations

- Sandia PIs are responsible for ensuring University invoicing is on track - straight line spending encouraged
- Contact Campus Partnership Manager for problems/issues as soon as they arise – we can assist!
- Let us know about your successes (publications, milestones achieved, break-throughs, patents, etc.) and team visits (to Sandia or UT) throughout the year
- Consider hiring LDRD students for Sandia internships, postdoc positions and permanent hire positions
- Quarterly Meetings For FY24:
 - Q1: LDRD Kick off meeting – Today!
 - Q2: ***NEW in FY24*** **Sandia Field Day and UT LDRD Student Poster Session**
 - UT Faculty and Students travel to Sandia to participate along with Sandia PIs
 - Technical Sessions, Tours, Student *Flash* Talks and Student Poster Session
 - Project Budgets will be supplemented to offset travel and per diem costs
 - Dates: March 21 and 22, 2024
 - Q3: Sandia PI, UT Faculty meet with SUPN UT Team to review progress, successes and invoicing
 - Q4: Meet with SUPN UT Team: Summary of accomplishments, next steps, and report on final spending

Contracting and Invoicing Information



Sandia University Partnerships Network
UNIVERSITY OF TEXAS AT AUSTIN

- Contract funding is tied to Sandia's Fiscal Year (October 1st – September 30th)
- Sandia PIs are the Sandia Delegated Representative (SDR) and are responsible for ensuring invoicing is on track
- We strongly urge invoices to be submitted promptly, and monthly throughout the year (don't back load, or you may inadvertently leave \$s unspent)
- Sandia PIs should communicate to the CPM team if they do not receive monthly invoices starting in January at the latest.
- Funding not intended for major equipment purchases – equipment >\$5k must be returned to Sandia at project end
- Computer purchases, if needed, must be made by Sandia and equipment returned to Sandia at project end
- Beware: Foreign travel must be approved by DOE, and takes months!

Sandia Contract and Invoicing Assistance

- **Sandia University Partnership Supplemental LDRD Invoicing Issue Assistance**
 - Corrine Harvey, Business Mgmt Professional, crharve@sandia.gov
- **Inform the UT CPM if you are having issues – CPM can assist as well**
 - Nadine Miner, UT Campus Partnership Manager, neminer@sandia.gov
- **Sandia Contracting Assistance**
 - Patricia Gutierrez, University Subcontract Manager, patguti@sandia.gov



UT Austin Office of Sponsored Projects (OSP)

Michelle Strickland, OSP Assistant Director of Contracts & Agreements

Email: michelle.strickland@austin.utexas.edu

pre-award: osp@austin.utexas.edu

Derek Diaz, Grants & Contracts Manager

Email: derek.diaz@austin.utexas.edu

post award: spaa@austin.utexas.edu



- Congratulations on your FY24 Supplemental LDRD Award
- We are here to support you and your success!

- QUESTIONS?



Sandia University
Partnerships Network

Thank You!

UT Austin Office of Sponsored Projects (OSP)



Sandia University Partnerships Network
UNIVERSITY OF TEXAS AT AUSTIN

UT Austin Contract Lifecycle Basics for Sandia Awards

- **Proposal Development**
 - UT PI works with departmental staff to develop project proposal (including SOW, Budget, etc.)
 - UT PI / departmental staff submit Funding Proposal (FP) to OSP via UT Research Management System (UTRMS)
 - UT OSP Proposal Team reviews proposal documents, collects AOR signature and submits final proposal to Sandia
 - UT OSP Proposal Team will transmit any Just-In-Time information required by Sandia prior to award issuance
- **Award (PO) Review & Execution**
 - Sandia sends new PO for UT project to UT OSP
 - UT PI / Departmental Staff submits Funded Agreement SmartForm in UT-RMS – Agreements Module
 - UT OSP Contracts Team reviews PO and works with UT PI / departmental staff to collect any needed award information / approve award before finalizing
 - UT OSP Contracts Team signs PO, processes in UT-RMS and routes to UT Grants Team for award setup in UT-RMS – Grants Module
 - Grants Team setups PO in Grants Module and routes to Sponsored Projects Awards Administration (SPAA) for activation and account setup
- **Award Administration**
 - UT departmental staff place charges to project (26-) account at PI instruction (Faculty must supply invoice amounts)
 - UT OSP SPAA generates and submits monthly cost-incurred invoices to Sandia via iSupplier
 - Sandia issues payment to UT via electronic funds transfer
 - UT PI submits reports / deliverables as required by PO statement of work