



Nuclear Science and Security Consortium

Fall 2024 Newsletter



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Letter from the NSSC Director

Prof. Jasmina Vujic
University of California, Berkeley



Dear NSSC Community and Friends,

As Director of NSSC, I am pleased to present some of the remarkable milestones and advancements our Consortium has achieved over the past year.

At the core of our success, the NSSC fellowship program continues to **attract and nurture top-tier talent** from a **diverse pool of candidates**. Our scholars benefit from **intensive academic guidance** and **mandatory mentoring from the national laboratories**, ensuring their growth and development in the field. With over a decade of dedication, the NSSC has cultivated a **vibrant network of alumni** who are making significant contributions within the DOE National Laboratories, Academia and Industry.

Building on our foundation, in NSSC3, we've continued to strengthen our network of current scholars and alumni. Our **2023 Fall Workshop**, held at Lawrence Berkeley National Laboratory (LBNL) on October 17-18, **featured an Alumni Panel**, highlighting the success of our former students. Many of our **current scholars are working alongside NSSC alumni** who now serve as experts in the field and mentors at our partner laboratories.

Our commitment to providing students with a **robust foundation in core nuclear sciences** before their **specialization in applied fields** remains unwavering. This approach emphasizes comprehensive education in **nuclear physics, nuclear data, nuclear chemistry, radiochemistry, and nuclear materials science**. Such solid groundwork prepares our fellows for advanced specializations such as **radiation detection, instrumentation development, nuclear chemical engineering, reactor design, and computational optimization for nuclear applications**.

Letter from the NSSC Director

Prof. Jasmina Vujic
University of California, Berkeley

Since our **establishment in 2011**, NSSC has engaged and supported **713 individuals**, including undergraduates, graduate students, postdoctoral researchers, specialists, and faculty. Our collective efforts have resulted in **437 degrees awarded, 296 prestigious accolades** received, **491 peer-reviewed publications**, and **over 1900 oral and poster presentations**. Notably, 170 of our students and postdocs—**42%** of our program's graduates—**have secured positions within the U.S. DOE National Laboratories and other prominent government agencies**.

As I reflect on this year's achievements, I remain deeply inspired by the **exceptional contributions of our NSSC community**. The dedication demonstrated by our scholars, faculty, and staff has been crucial in advancing our mission. Your collective efforts have not only elevated our consortium but have also made **significant contributions to the field of nuclear security**. As we move forward, let us build on these successes and continue to **push the boundaries of innovation and excellence in this critical domain**.

— Jasmina Vujic



NSSC Leadership Team

Executive Team



Jasmina Vujic
Director
UC Berkeley



Jason Hayward
Deputy Executive
Director
UT Knoxville



Bethany Goldblum
Executive Director
UC Berkeley



Lee Bernstein
Lab Liaison
UC Berkeley



Kai Vetter
NNSA Liaison
UC Berkeley

Support Staff

Derek Johnson
Financial Analyst

Ava Benkhatar
Program Manager

POC Council

Jason Hayward (UTK)	Christopher Cahill (GWU)	Ken Czerwinski (UNLV)	Djamel Kaoumi (NCSU)	Juan Manfredi (AFIT)	Anil Prinja (UNM)
Cody Folden (TAMU)	Sean Liddick (MSU)	Angela Di Fulvio (UIUC)	Mani Tripathi (UCD)	Tomi Akindele (LLNL)	Vladimir Mozin (LLNL)
Tom Stockman (LANL)	Shawn Tornga (LANL)	John Valentine (LBNL)	David Peters (SNL)	Jon Zimmerman (SNL)	Ben Thomas (ORNL)

Advisory Board

Carol Burns-Chair
Lawrence Berkeley
National
Laboratory

Trish Baisden
Retired from
Lawrence
Livermore National
Laboratory

Roger Falcone
University of
California
Berkeley

Miriam "Mim" John
Retired from
Sandia National
Laboratories

Ibo Matthews
Lawrence
Livermore National
Laboratory

Kary Myers
Los Alamos
National
Laboratory

Jason Newby
Oak Ridge
National
Laboratory

Benn Tannenbaum
Sandia National
Laboratories

NSSC3 Focus and Crosscutting Areas

Nuclear Physics and Nuclear Data



Barabara Jacak (UCB), Lee Bernstein (UCB), Sean Liddick (MSU)



Radiochemistry and Nuclear Chemistry

Rebecca Abergel (UCB) and Ken Czerwinski (UNLV)

Nuclear Material Science



Peter Hosemann (UCB) and Jim Stubbins (UIUC)



Radiochemistry and Nuclear Chemistry

Kai Vetter (UCB) and Jason Hayward (UTK)

Nuclear and Chemical Engineering



Massimiliano Fratoni (UCB) and Raluca Scarlat (UCB)



Computing and Optimization in Nuclear Applications

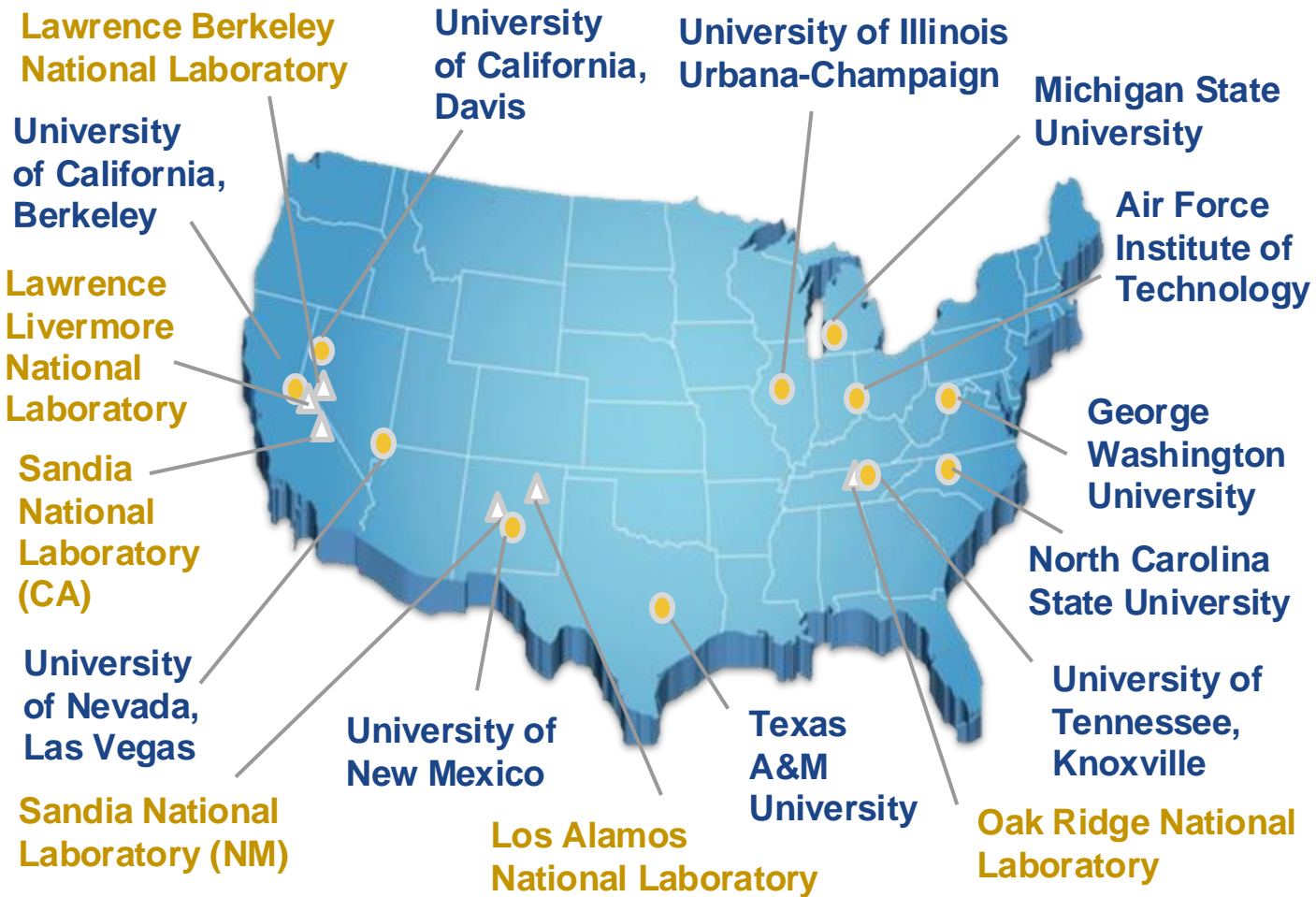
Vladimir Sobes (UTK) and Sandra Bogetic (UTK)

Education in Nuclear Science, Technology, and Policy



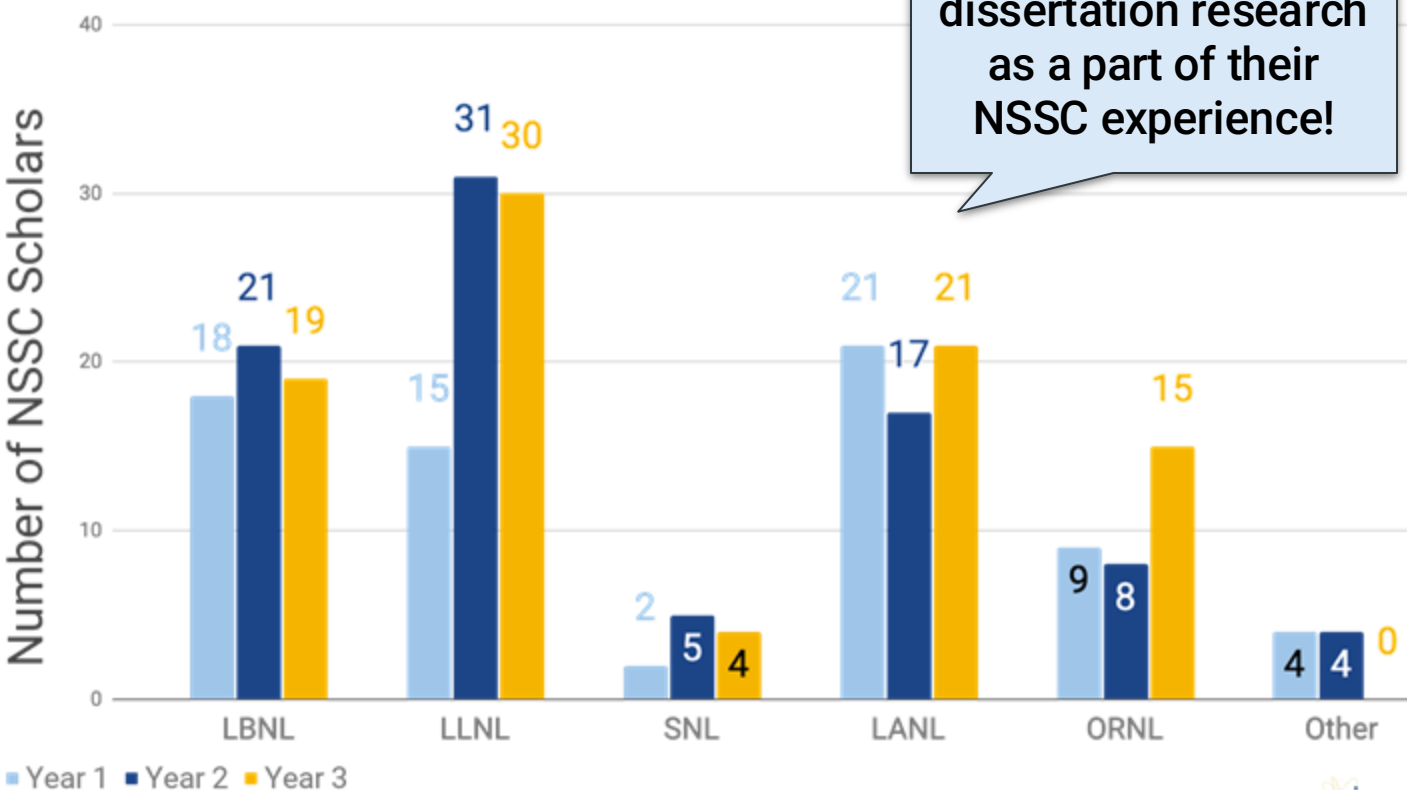
Bethany Goldblum (UCB)

Partner Institutions and Laboratories



NSSC3 In-Residence Research by Lab

Many of our scholars conduct lab-led dissertation research as a part of their NSSC experience!



2023 NSSC Fall Workshop and Advisory Board Meeting

Hosted at Lawrence Berkeley National Laboratory on Oct. 17-18



The NSSC held the *2023 Fall Workshop and Advisory Board Meeting* this October 17-18, at LBNL in Berkeley, California. This two-day event featured updates on NSSC programs and accomplishments, 13 student oral presentations, a poster session with 18 presenters, an NSSC alumni panel, and an interactive feedback session with our Advisory Board Members. A total of 78 participants, including faculty and students from 11 universities, scientists from our five partner labs, and members of the NSSC External Advisory Board attended the in-person event, with several others participating in the workshop virtually.



Alumni Panelists with NSSC Leadership, Back row: Lee Bernstein (UCB), Sandra Bogetic (UTK), Krystin Stiefel (ORNL); Front row: Austin Mullen (LANL), Bethany Goldblum (UCB), Jasmina Vujic (UCB), Tomi Akindele (LLNL).



NSSC Fellow, Jared Justice from the Department of Nuclear Engineering at the University of New Mexico, presenting on the physical properties of Cu/Nb nanolamellar composites.

2024 University Program Review

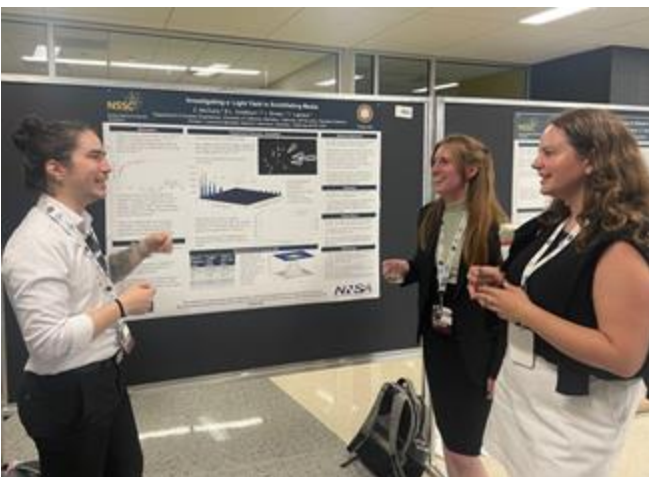
Hosted by Texas A&M University at College Station

The NSSC community participated in this year's University Program Review (UPR) at Texas A&M University, College Station. The event was held on June 4-6, 2024, and featured 15 oral presentations and 25 poster presentations from NSSC scholars.

Three NSSC Scholars were awarded for their research: James Kingston (UCD) for Best National Lab Collaboration; Jacob Fritchie (UIUC) for Best Poster Presentation; and Noah Walton (UTK) for Best Oral Presentation.



NSSC UPR Presentation Awardees. Left to Right: James Kingston (UCD), Jacob Fritchie (UIUC), and Noah Walton (UTK)



NSSC Fellows from UCB discussing a poster presentation on the electron light yield of scintillating media. Left to Right: Zachary McGuire, Megan Schiferl, Sasha Kennedy



NSSC Fellow, Lavanya Upadhyaya from Texas A&M University, presenting her work corrosion of steel alloys in molten salt

2024 NSSC-LLNL Nuclear Security Summer School

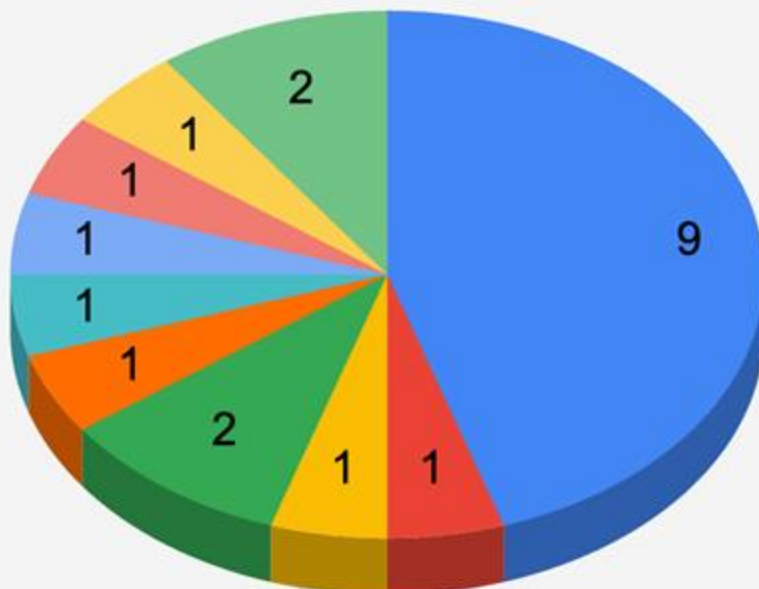
★ *New Initiative for 2024* ★



Building on the success of the 2023 NSSC-LLNL Consortia Workshop, the NSSC and LLNL introduced a 4-day summer school this year that immersed 20 students in the laboratory's cutting edge research environment. The program included lectures, tours, and hands-on experimental modules tackling challenges in warhead verification, emergency response, and nuclear forensics. Students also had the opportunity to connect with their peers and LLNL scientists from various directorates through informal interactions and organized networking events.

2024 Participants

- UCB
- UTK
- UNLV
- MSU
- UNM
- TAMU
- Clemson
- UT Austin
- UW Madison
- MSI



This summer school was made available to students from all 4 DNN R&D consortia and included 20 Participants from 10 Universities and MSIs!

2024 Nuclear Security and Nonproliferation Program



Amy Waters, LLNL Program Manager for Nuclear Threat Reduction pictured giving a talk on "Nuclear Threat Reduction at LLNL."

- The program also featured additional talks, lectures, and presentations from Tomi Akindele, Amy Waters, Dawn Shaughnessy, Tom Ramos, Jessica Mintz, Jay Dixon, Lee Glascoe, Greg Brenneka, Brian Sammis, Meena Said Ashley Cocciadiferro and Laboratory Director, Kim Budil.



Team of scholars from the 2024 NSSC-LLNL Summer School cohort participating in discussions during the Treaty Verification module.

- During the program, participants had the opportunity to work with a team of their peers to plan, discuss, execute, and negotiate activities related to the NNSA R&D nuclear security and nonproliferation mission.



LLNL Scientist, Jessica Mintz, leading the Emergency Response module outside of the LLNL "Dome."

- During the program, participants also had the opportunity to engage in a hands-on emergency incident response activity using neutron and gamma-ray detection devices to actively interrogate simulated radiological sources and nuclear materials.



2024 NSSC-LLNL summer program cohort on a tour of LLNL's National Ignition Facility (NIF).

- The program also featured additional tours of LLNL's Nuclear and Chemical Sciences laboratories and the LLNL Advanced Manufacturing Laboratory (AML).

2024 Summer School Programs

NSSC-Affiliated Summer Schools

PPNT Bootcamp at IGCC



The Public Policy and Nuclear Threats (PPNT) Boot Camp is a workshop hosted by the Institute on Global Conflict & Cooperation (IGCC) at UC San Diego. Jointly led by AMB Linton Brooks and NSSC Executive Director Prof. Bethany Goldblum, the PPNT Boot Camp prepares students and early-to-mid career professionals to take on the mantle of U.S. nuclear policymaking by helping to bridge the physical and social sciences through facilitating cross-disciplinary discussions aimed at addressing technical and international policy challenges related to nuclear weapons issues.

NDA Safeguards Course at LANL



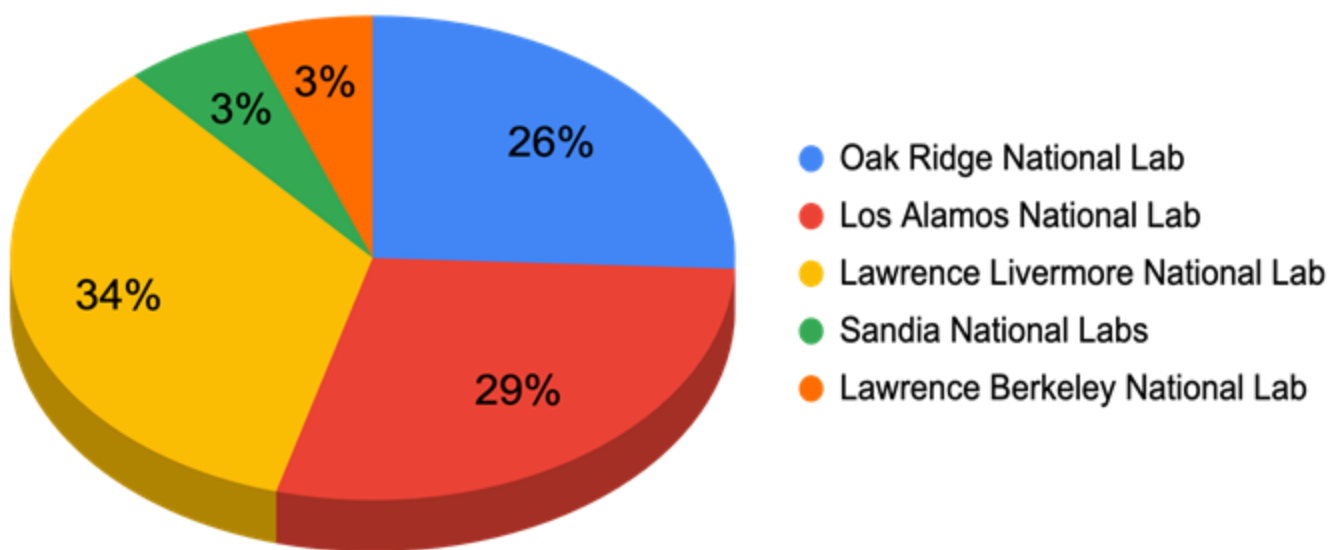
Held at Los Alamos National Laboratory (LANL), Fundamentals of Non-Destructive Assay (NDA) is an introductory course on NDA measurement techniques that are used for nuclear material accountancy by the International Atomic Energy Agency.

The course provides students with a **unique opportunity to perform NDA measurements in LANL's training facility** using a variety of NDA instruments and several types of neutron-based detectors – on a variety of nuclear materials.

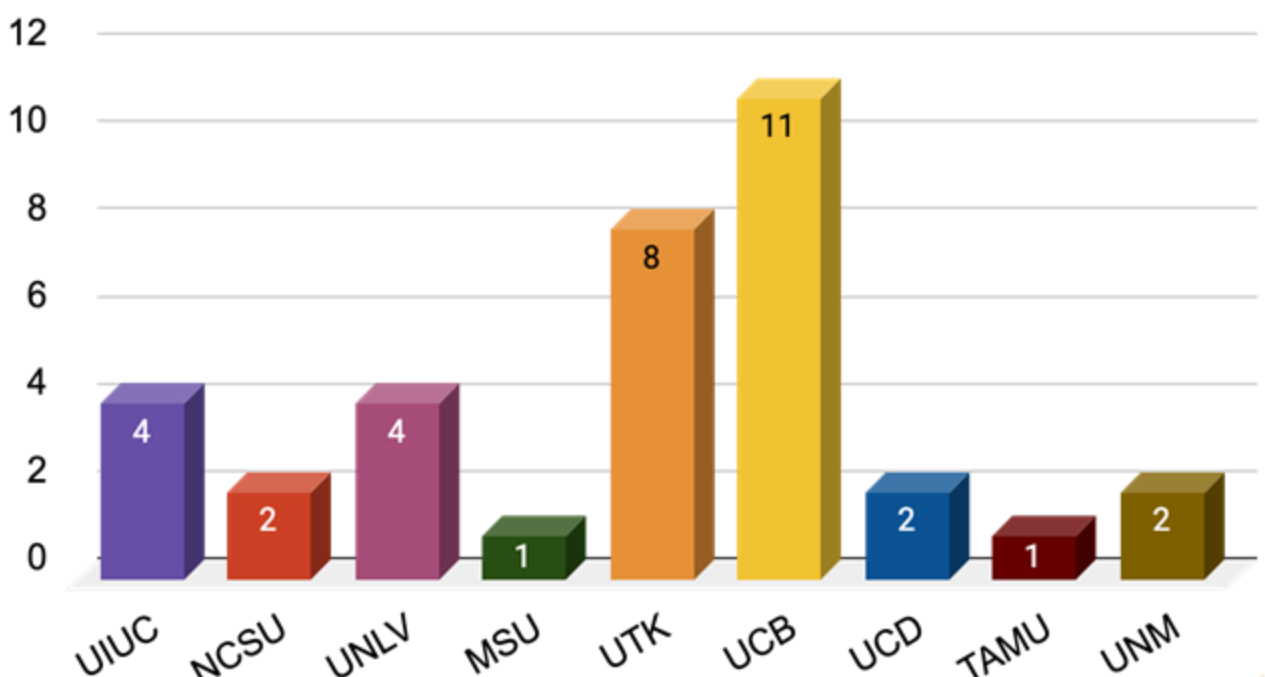
2024 NSSC Laboratory Internships

The 2024 NSSC National Laboratory internship cycle began on June 19, 2024. **Thirty-four NSSC scholars** from nine **NSSC universities** attended a laboratory internship at one of our five partner national laboratories where they conducted research on-site with a lab mentor.

2024 Laboratory Internship Participation by Laboratory



2024 Laboratory Internship Participation by University





Lena Korkeila (UCD)

Lab Mentor: Nikolas Economy (LANL)

“ I was able to work with the Nuclear Smuggling Detection and Deterrence group, which works with partner countries to detect, disrupt, and investigate the smuggling of radioactive and nuclear materials that could be used in acts of terrorism. For my summer project, I performed simulations to generate radiological signatures of materials of interest that will be used to evaluate a new alarm software for radiation portal monitors. I have really enjoyed my time at LANL gaining exposure to this field as well as being able to tour so many different parts of the lab through the Keepin program. ”



Jacob Sebastian (UCB)

Lab Mentor: Josh Brown (LBNL)

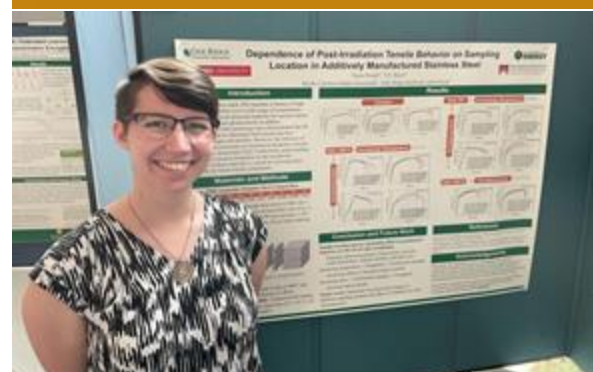
“ I’m working towards an experiment at the 88-Inch Cyclotron at Lawrence Berkeley National Laboratory to measure the temporal response of fluorescence produced by neutron interactions in plastic scintillators. This summer with the aid of the NSSC, I was able to attend the 17th International Conference on Scintillating Materials and their Applications (SCINT 2024) to present a poster on our measurements and methodology. ”



Jared Justice (UNM)

Lab Mentor: Andrew Hoff (LLNL)

“ This Summer, I enjoyed returning to Lawrence Livermore National Laboratory for my third internship! I worked with Dr. Andrew Hoff in the Materials Engineering Division, Ceramics and Polymers Group. I've gotten hands-on experience in advanced manufacturing of metals and ceramics at LLNL's Advanced Manufacturing Lab. ”



Kara Krogh (NCSU)

Lab Mentor: TS Byun (ORNL)

“ I worked in the Radiation Effects and Microstructure Analysis group on analyzing mechanical property data for additively manufactured stainless steel. This research allowed me to gain a deeper understanding of structural nuclear materials and the methods used to improve them for advanced reactor applications. One of the most impactful aspects of this internship was meeting scientists both inside and outside of the group I worked in which provided me with valuable insights into the wide range of research happening at ORNL. ”



John Leland (UIUC)

Lab Mentor: Erik Brubaker (SNL)

“ My project focuses on the development and demonstration of FPGA-based readout of SiPM arrays, to lower cost and reduce development timelines for detection and imaging systems for nuclear non-proliferation applications. Specifically, I am working on implementing a time-to-digital converter (TDC) on an FPGA. What I've enjoyed most this summer is being able to learn new skills and experience what working at a national lab is like. ”

Webinars & Seminars

This year, alongside our regular programming and collaborative events with the Berkeley Risk and Security Laboratory (BRSL), the Berkeley Institute of International Studies (IIS), and the Nuclear Policy Working Group (NPWG), we also instituted a new Professional Development Workshop Series with the COACH program. Thus far, students participated in two segments of this series: "The Art of Negotiation" and "Effective Scientific Presentations." To prepare our scholars to present their scientific research at conferences and program review meetings, all 15 of our NSSC UPR oral presenters participated in this professional development training.

For An In-Person Presentation, An Effective Speaker Looks Like this:

- Tall, open posture & gestures.
- Head up.
- Eye contact with the room.



COACH ©2023 coach.uoregon.edu

No matter what your career stage, it is never too early to think about the next stage of your career.

- Know your strengths
- Prepare your documents
- Hone your communication skills
- Build your networks
- Be observant! Take a lot of data!



NSSC Student Highlights



Hannah Berg (MSU)

Hannah Berg is an NSSC Fellow at MSU using the β -decay Oslo technique to create more accurate nuclear data for use in simulations and models. In Fall 2023, Hannah received the APS-DNP Award for Young Scientist Publications. Her paper, "Proton Shell Gaps in $N=28$ Nuclei from the First Complete Spectroscopy Study with the FRIB Decay Station Initiator," included collaborations with NSSC universities and a range of partner laboratories: LANL, LLNL, ORNL, MSU, UCB, and UTK.

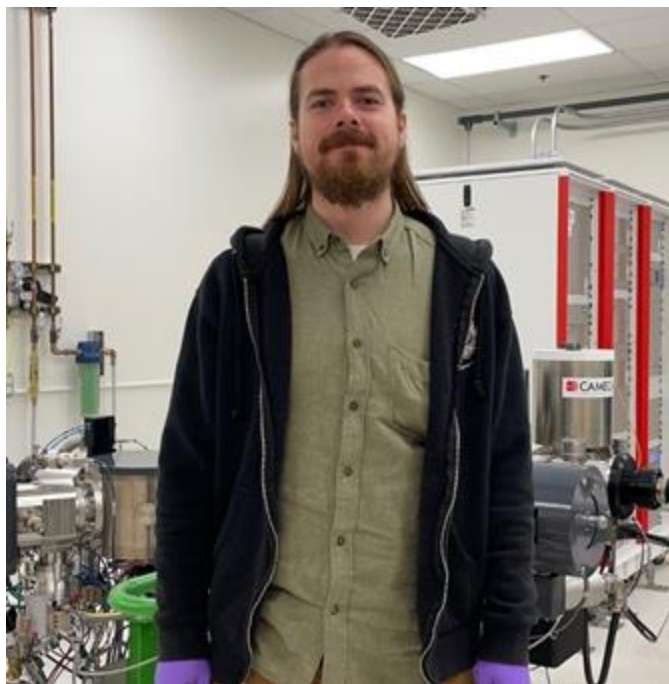
Focus Area: Nuclear Physics and Nuclear Data

NSSC Advisor: Artemis Spyrou (MSU)

Lab Mentor: Darren Bleuel (LLNL)

Peter Boone (UCB)

Peter Boone is an NSSC Fellow at UCB working to provide next-generation reference materials for spatially resolved microanalytical measurements important to post-detonation nuclear forensics. This Spring, Peter published a peer-reviewed article in *Materials Letters*. He also received the Silver Award from LLNL's Global Security Principal Directorate. Peter completed his MS degree in August 2024 and returned to LLNL as a full-time analytical chemist.



Focus Area: Radiochemistry and Nuclear Chemistry

NSSC Advisor: Peter Hosemann (UCB)

Lab Mentors: Dave Weisz and Brett Isselhardt (LLNL)

NSSC Student Highlights



Kimberly Pestovich (UTK)

Kimberly Pestovich is an NSSC Scholar at UTK conducting research on novel scintillators for high energy x-ray radiography applications. In Fall 2023, she received first place in the Graduate Collegiate Rapid Fire competition at the [Society of Women Engineers](#) conference. Kimberly also received numerous awards from UTK's Materials Science Engineering department this year and had a paper published in the Journal of Crystal Growth on "Crystal growth of new high light yield halide perovskite scintillator RbSrI_3 ."

Focus Area: Radiation Detection

NSSC Advisor: Mariya Zhuravleva (UTK)

Lab Mentor: Ken McClellan (LANL)

Matthew deJong (NCSU)

Matt deJong is an NSSC Fellow at NCSU developing laser powder bed systems to determine how variations in feedstock preparations influence the quality of structural materials. This summer, he returned to Oak Ridge National Laboratory for the third year as an intern under the mentorship of Dr. Souyma Nag. In addition to his internships at ORNL, Matt also attended the LANL NDA Summer School and the 2024 NSSC-LLNL Nuclear Security and Nonproliferation Summer School.



Focus Area: Nuclear Materials Science

NSSC Advisor: Djamel Kaoumi (NCSU)

Lab Mentor: Souyma Nag (ORNL)

NSSC Student Highlights



Dominic Lioce (UCB)

Dominic Lioce is an NSSC Fellow at UCB working on modeling radiation transport in stochastically mixed materials that occur in inertial confinement fusion applications. This Spring, he published a paper in collaboration with LANL on the design of experiments to spectroscopically characterize radiation flow in stochastic media. After previously attending summer internships at both LANL and SNL, Dominic will also be participating in this year's internship cycle at LLNL under the mentorship of LLNL scientist Dr. Patrick Brantley.

Focus Area: Computing and Optimization in Nuclear Applications

NSSC Advisors: Jasmina Vujic (UCB) and Anil Prinja (UNM)

Lab Mentor: Patrick Brantley (LLNL)

Lavanya Upadhyaya (TAMU)

Lavanya Upadhyaya is an NSSC Fellow at TAMU researching the various interactions between metal alloys and the molten salt FLiNaK (LiF-KF-NaF) in Molten Salt Reactors (MSRs), and how corrosion rates vary based on the alloys' chemical compositions. This summer, she will be interning at ORNL under the mentorship of ORNL scientist Dr. Sunil Chirayath. Lavanya has also previously participated in an internship cycle at LLNL and the 2023 NSSC INDAT Summer School hosted by UC Davis.



Focus Area: Nuclear and Chemical Engineering

NSSC Advisor: Cody Folden (TAMU)

Lab Mentor: Sunil Chirayath (ORNL)

NSSC3 Community Highlights

Distinguished Accomplishments of NSSC Scholars



Isabel Hernandez (UCB) was awarded the 2024 DOE NNSA Stewardship Science Graduate Fellowship (SSGF).



Daniel Rutstrom (UTK) won first place in the NSS Student Paper Award at the 2023 IEEE NSS MIC RTSD for his work on novel CsCl-based ultrafast scintillators.



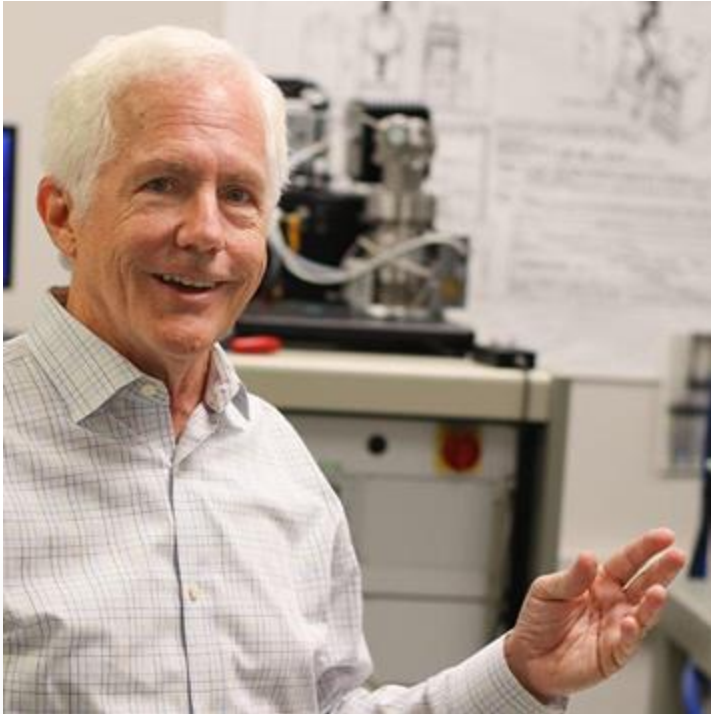
Joe Brackbill (UCB) was selected for the 2024 Hoffman NextGen Postdoctoral Fellowship in Nuclear Nonproliferation Science at LBNL.



Tracy Edwards (MSU) received the State of Michigan Spirit of Hope Governor's Award for her contributions to the social, cultural, economic, and environmental well-being of Michigan communities.

NSSC3 Community Highlights

Distinguished Career Accomplishments of NSSC Faculty Members



Prof. Chuck Melcher, NSSC UTK Faculty Member, wins the 2025 Marie Sklodowska-Curie Award

2025 Marie Sklodowska-Curie Award: The Institute of Electrical and Electronics Engineers (IEEE) will honor Prof. Melcher (UTK) with this award for discovering and developing the scintillating crystal known as LSO, which has had a lasting impact on PET technology. Sponsored by the IEEE's Nuclear and Plasma Sciences Society (NPSS), this annual award honors scientists who have made outstanding contributions to the fields of nuclear and plasma science and engineering.

2024 ANS Untermyer & Cisler Reactor Technology Medal:

The ANS Untermyer & Cisler Medal is awarded to individuals who have made outstanding scientific, engineering, or management contributions to the advancement of nuclear reactor technology. Prof. Max Fratoni (UCB) is recognized for his groundbreaking development of fluoride-cooled pebble-bed reactors and pioneering work in various other advanced reactor technologies.



Prof. Max Fratoni, NSSC UCB Faculty Member, wins the ANS Untermyer & Cisler Reactor Technology Medal

NSSC3 Community Highlights

Distinguished Career Accomplishments of NSSC Faculty Members



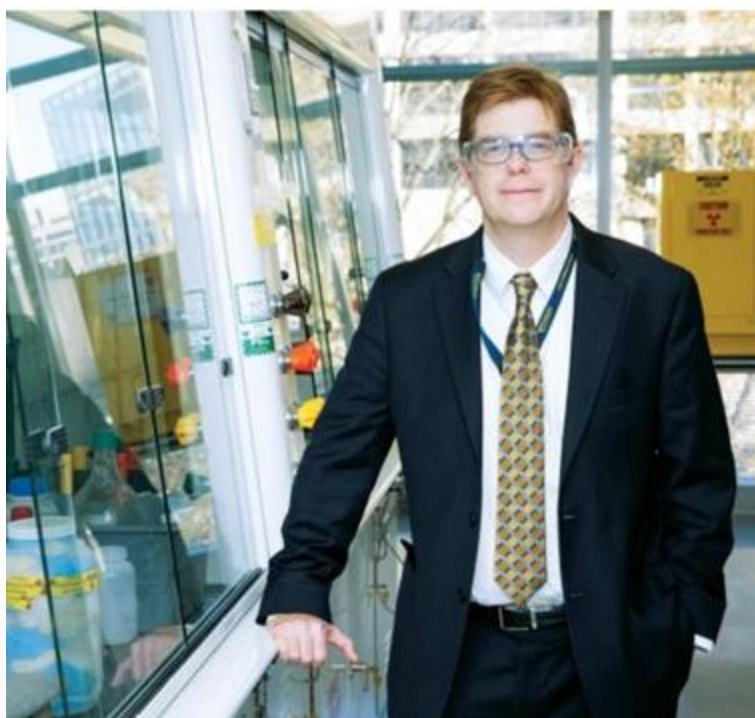
Prof. Sandra Bogetic, NSSC UTK Faculty Member, wins the 2024 UTK Nuclear Engineering Professor of the Year Award

2024 UTK Nuclear Engineering Professor of the Year Award:

In recognition of her exceptional contributions to the field and dedication to educating the next generation of nuclear engineers, Prof. Bogetic (UTK) was voted Nuclear Engineering Professor of the Year at the University of Tennessee Knoxville by undergraduate students at the University.

2023 Hillebrand Prize:

Awarded by the Chemical Society of Washington, this prestigious prize recognizes Prof. Cahill's (GWU) illuminating research in condensed phase actinide chemistry and crystal engineering. His work harnesses organic actinide interactions, significantly contributing to environmental remediation, separations, and nuclear forensics.



Prof. Christopher Cahill, NSSC GWU Faculty Member, wins the 2023 Hillebrand Prize

NSSC3 Community Highlights

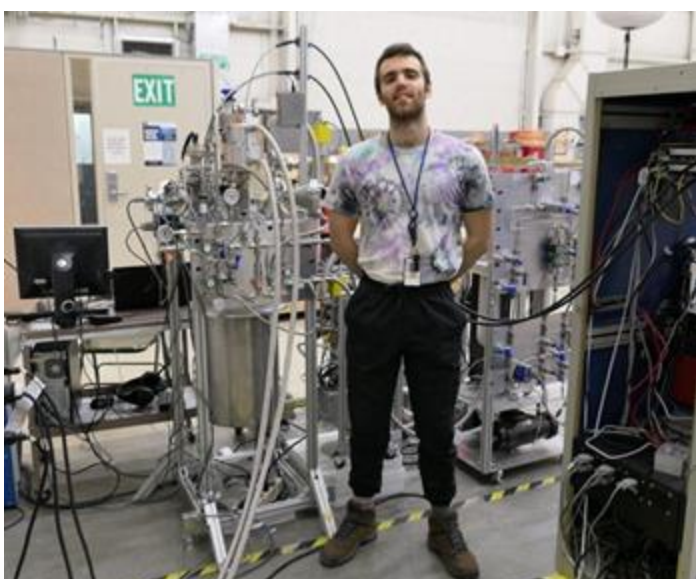
Distinguished NSSC University and Partner Laboratory Publications

“GENESIS: Gamma Energy Neutron Energy Spectrometer for Inelastic Scattering:” NSSC students and faculty published a collaborative research article involving NSSC universities (Air Force Institute of Technology and the University of California, Berkeley) and NSSC partner laboratories (Lawrence Berkeley National Laboratory and Lawrence Livermore National Laboratory). See Gordon et al. Nucl. Instrum. Meth. A, 1061, 169120 (2024).

Artificial intelligence for radiation detection, nuclear nonproliferation, and safeguards. Sara Pozzi, Director of the Consortium for Monitoring, Technology, and Verification (MTV); Bethany Goldblum, NSSC Executive Director; and Angela Di Fulvio, NSSC POC at the University of Illinois Urbana-Champaign, served as guest editors for a special edition in the *Annals of Nuclear Energy*. This edition focuses on artificial intelligence applications in radiation detection, nuclear nonproliferation, and safeguards.

“Search for the Migdal effect in liquid xenon with keV-level nuclear recoils” NSSC UCD Fellow James Kingston published his sixth peer-reviewed paper on dark matter detection in collaboration with Lawrence Livermore National Laboratory (LLNL). Kingston works with Dr. Jingke Xu at LLNL on developing and characterizing low-energy detectors for the direct detection of dark matter. See Kingston et al. Phys. Rev. D, 109, L051101 (2024).

“New ultrafast scintillators with core valence luminescence: Cs₂MgCl₄ and Cs₃MgCl₅,” At the IEEE Nuclear Science Symposium (NSS) and Medical Imaging Conference (MIC) in November 2023, NSSC UTK Fellow Daniel Rutstrom received first place for his paper on novel scintillators. See Rutstrom et al. J. Mater. Chem. C, 12, 6920-6931 (2024).



NSSC-UCD Fellow, James Kingston, pictured at LLNL



NSSC-UTK Fellow, Daniel Rutstrom, pictured at the 2023 IEEE NSS MIC RTSD

NSSC Demonstrated Excellence & Innovation

2011 to present

713

Personnel Supported



296

Awards



491

Peer-Reviewed Publications



62

Webinars & Seminars



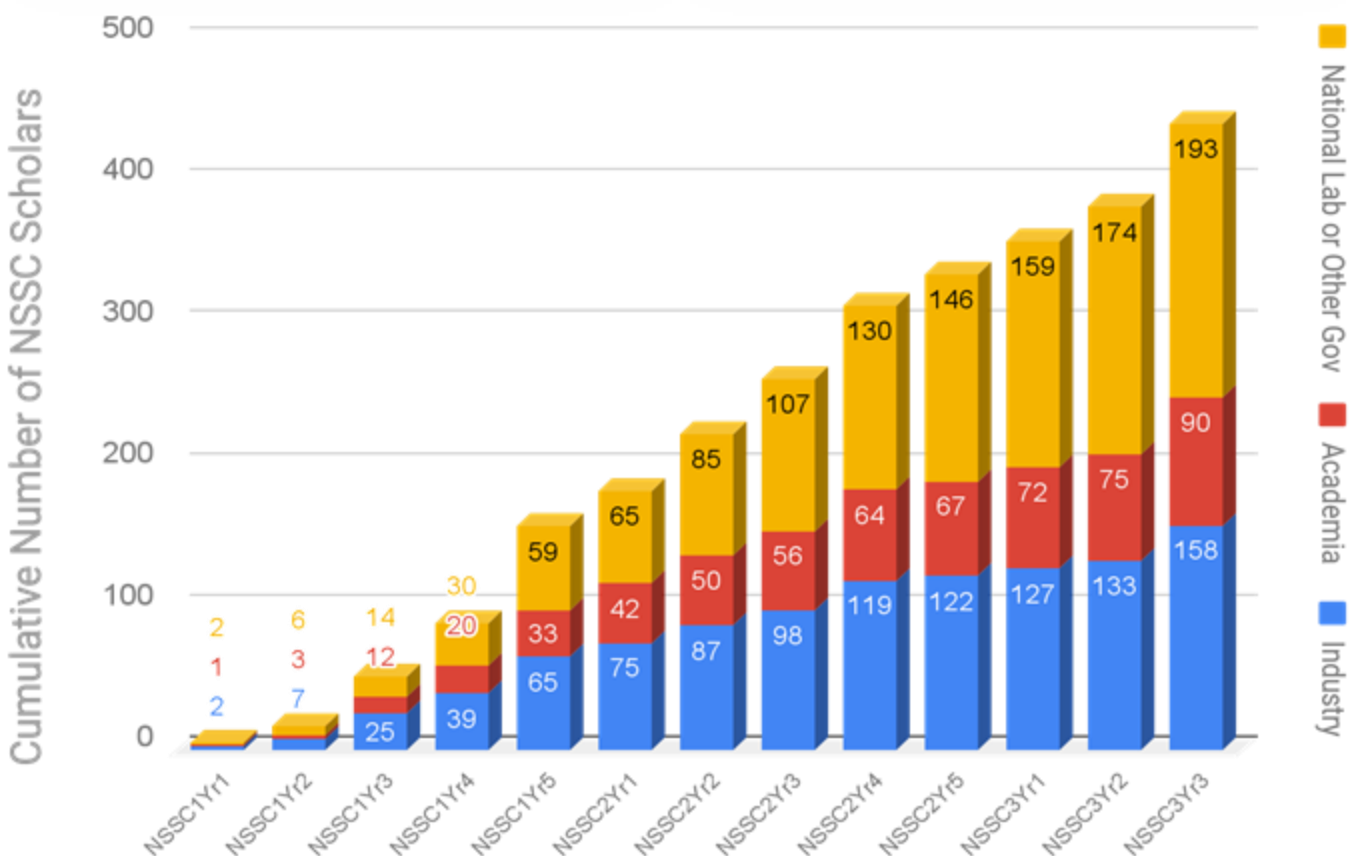
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Posters



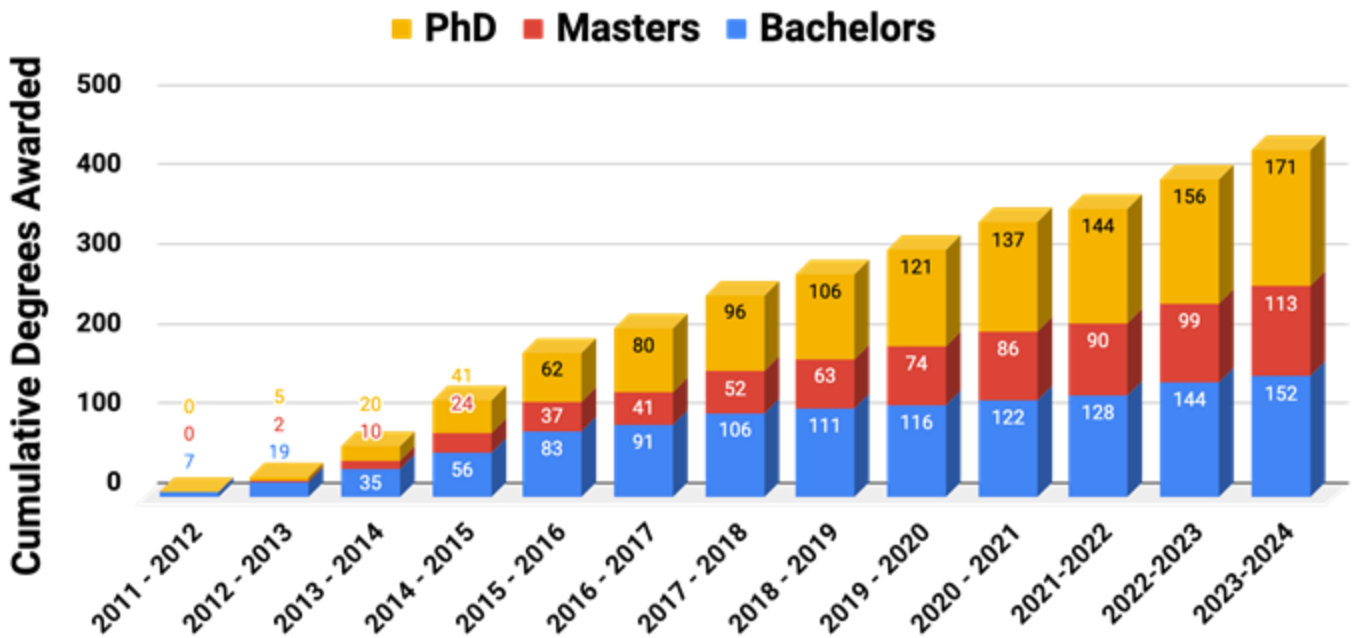
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Oral Presentations



NSSC Degrees Awarded

2011 to present



152

Bachelors
Degrees

113

Masters
Degrees

172

PhD
Degrees



437

B.S., M.S., and
Ph.D. degrees!



NSSC Fellow, Kalie Knecht, accepted a position at ORNL after graduating from UCB this Spring

NSSC Careers (2011-present)

NSSC Alums Hired at the National Laboratories or Other Government Agencies

195 NSSC Fellows & Affiliates have been placed!



Kalie Knecht
PhD UCB
ORNL
2024



Catherine Apgar
PhD UCB
LANL
2024



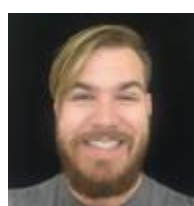
Joe Brackbill
PhD UCB
LBNL
2024



Robert Jacob
PhD UCB
LBNL
2024



Dustin Rogers
Masters AFIT
Air Force
2024



Tyler Jordan
PhD UCB
LANL
2024



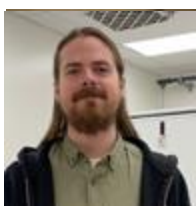
Brady Moore
Bachelors UTK
Y-12
2024



Autumn Mitchell
Bachelors UTK
Government
2024



Brady Buckley
Masters AFIT
Air Force
2024



Peter Boone
Masters UCB
LLNL
2024



Ryan Smith
PhD UCB
LBNL
2023



Ananya Venkatraman
Bachelors UCB
JHU APL
2023



Chris Brand
PhD UCB
LLNL
2023



Benjamin Walusiak
PhD GWU
LANL
2023



Christian Young
PhD UTK
Y-12
2023



David Raji
PhD UTK
PNNL
2023



Ben Godfrey
PhD UCD
LBNL
2023



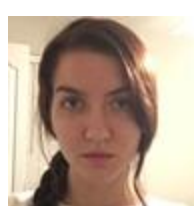
Preston Awedisean
Masters UCB
2023



Tim Genda
PhD UCB
Air Force
2023



Richard Lew
Bachelors UCB
LLNL
2023



Carla McKinley
Masters UCB
LLNL 2023



Jonathan George
Masters UNLV
ORNL
2023



Karen Hogue
PhD UTK
ORNL
2023



Dominic Piedmont
PhD UIUC
INL
2023

NSSC Pipeline Metrics (2011-2024)

NSSC Alums Hired at the National Labs or Government Positions



Daniel Puentes
PhD MSU
NNSA
2023



Brian Lenardo
PhD UCD
SLAC
2023



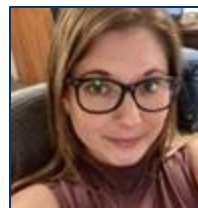
Aaron Nowack
PhD UTK
SNL
2023



Scott Essenmacher
Postdoc MSU
LLNL
2023



Austin Mullen
PhD UCB
LANL
2023



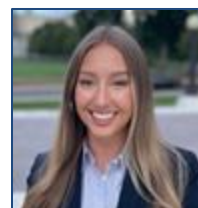
Erin Good
PhD MSU
PNNL
2023



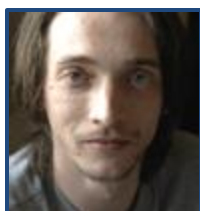
Tyler Nagel
PhD UCB
LANL
2023



Sarah Loftin
Masters
TAMU
DOE NNSA
2022



Sarah Stevenson
PhD UCB
Air Force
2022



Billy Boxer
PhD UCD
PNNL
2022



Kathryn Huff
PhD UCB
DOE
2022



Peter Huck
PhD GWU
LLNL
2022



James Louis-Jean
PhD UNLV
SRNL
2022



Luca Pagani
PhD UCD
PNNL
2022



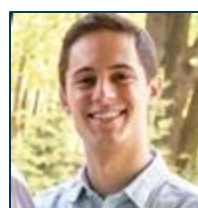
Fernando Torales-Acosta
PhD UCB
LBNL
2022



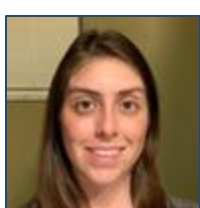
Jyothisraj Johnson
PhD UCD
LBNL
2022



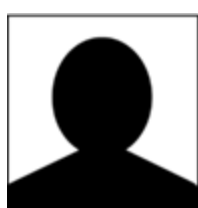
Katherine Luebke
PhD UNLV
LANL
2022



Matthew Weiss
Postdoc UIUC
LLNL
2022



Elizabeth Rubino
PhD MSU
LLNL
2022



Leon Pickard
Postdoc UCD
LBNL
2022



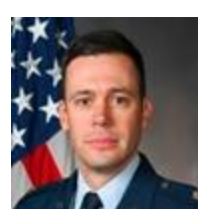
Aaron Chester
Postdoc MSU
FRIB
2022



Nicole Byrne
PhD GWU
Argonne
2022



Ethan Boado
Bachelors
UCD
PNNL
2022



James Bevins
PhD UCB
LANL
2021



Juan Manfredi
Postdoc UCB
AFIT
2021



Mariah Ramirez
PhD TAMU
DTRA
2021



Katie Childers
PhD MSU
RSL
2021

NSSC Pipeline Metrics (2011-2024)

NSSC Alums Hired at the National Labs or Government Positions



Jake Tibbetts
Masters UCB
Intelligence
2021



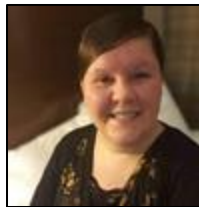
Caleb Redding
PhD UTK
ORNL
2021



Eric Nelius
Masters UTK
SNL
2021



Carl Britt
PhD UTK
PNNL
2021



Andrea Richard
PhD MSU
LLNL
2021



Jason Matheny
Masters UCB
LANL
2021



Cordell Delzer
PhD UTK
LANL
2021



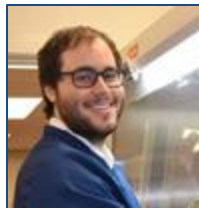
Kelly Kmak
PhD UCB
LLNL
2021



Brian Champine
PhD UCB
LLNL
2021



Rebecca Lowe
PhD UNLV
NNSA
2021



Kevin Glennon
PhD TAMU
LLNL
2021



Hi Vo
PhD UCB
LANL
2021



John Ash
PhD MSU
TRIUMF
2021



Paulina Wheeler
Bachelors UCB
NASA
2021



Katherine Shield
PhD UCB
US DOS
2021



Patrick Williams
Masters UTK
IAEA
2021



Roy Ready
PhD MSU
US Naval
Research Lab
2021



Joshua Smith
PhD UTK
LLNL
2021



Athena Gallardo
PhD UNLV
LANL
2020



Teal Pershing
PhD UCD
LLNL
2020



Rebecca Krentz-Wee
PhD UCB
IAEA
2020



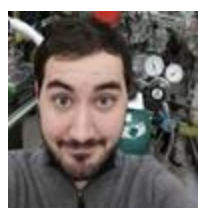
Max Wallace
Bachelors
UCB
LLNL
2020



August Ridenour
PhD GWU
NRL
2020



Kelsey Amundson
Bachelors UCB
LANL
2020



Brenden Longfellow
PhD MSU
LLNL
2020



Micah Folsom
PhD UTK
LBNL
2020



Andrew Reddie
Postdoc UCB
SNL
2020

NSSC Pipeline Metrics (2011-2024)

NSSC Alums Hired at the National Labs or Government Positions



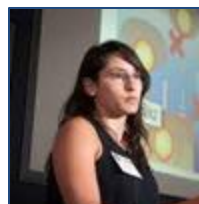
Stephanie Lyons
Postdoc MSU
PNNL
2020



Terri Poxon-Pearson
PhD MSU
NNSA
2020



Travis Smith
Masters UTK
State of
Nebraska
2020



Adriana Sweet
PhD UCB
LLNL
2020



Tucker McClanahan
PhD UTK
LANL
2020



J.R. Powers-Luhn
PhD UTK
PNNL
2020



Eleanor Comer
Masters UTK
Y-12
2020



Jon Balajthy
PhD UCD
SNL
2020



Jackie Dorhout
PhD UNLV
LANL
2020



Jonathan Hartman
Masters UTK
Y-12
2020



Caroline Hughes
Masters UCB
PNNL
2019



Keith McManus
PhD UCB
NNSA
2019



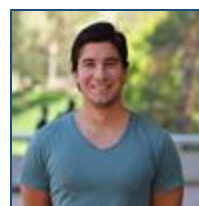
Daniel Hellfeld
PhD UCB
LBNL
2019



Aaron Manalaysay
Postdoc UCD
LBNL
2019



William Kerlin
PhD UNLV
LLNL
2019



Christian Bustillos
PhD UCI
LLNL
2019



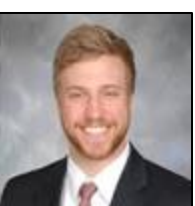
Rachel Mersch
PhD UTK
ORNL
2019



Jaclynn Unangst
PhD UCI
SNL
2019



Ardelia Clarke
PhD Fisk
PNNL
2019



Milos Atz
PhD UCB
ANL
2019



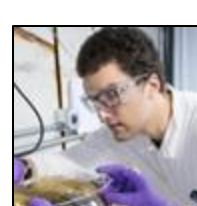
Angela Moore
PhD UTK
PNNL
2019



Kelsey Ammundon
Masters UCB
LANL
2019



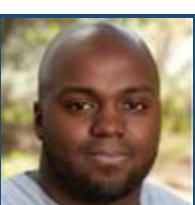
Lucas Boron-Brenner
PhD UNLV
PNNL
2019



Vincent Fisher
Postdoc UCD
FERMI
2019



Michael Moore
PhD UTK
PNNL
2019



Bradley Childs
PhD UNLV
LLNL
2019



Madhuri Kumari
PhD UCD
SNL
2019

NSSC Pipeline Metrics (2011-2024)

NSSC Alums Hired at the National Labs or Government Positions



Rebecca Lewis
PhD MSU
NNSA
2019



Jeffrey Kwarsick
PhD UCB
LBNL
2019



Daniel Votaw
Masters MSU
LANL
2019



Elizabeth Heckmaier
PhD UCI
LLNL
2018



Tomi Akindele
PhD UCB
LLNL
2018



Krystin Stiefel
PhD MSU
ORNL
2018



Jason Richards
PhD UNLV
ORNL
2018



Mark Quint
Masters UTK
U.S. Army
2018



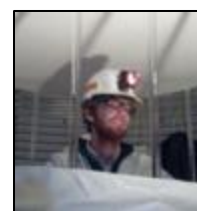
Daniel Harding
PhD UTK
Norfolk Naval
Shipyard
2018



Maxwell Sherrod
PhD UNLV
SRNL
2018



Mike Shattan
PhD UTK
AFIT
2018



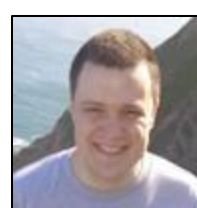
Morgan Askins
PhD UCD
LBNL
2018



Sarah Laderman
Masters UCB
IAEA
2018



Matthew Tweardy
PhD UTK
NNSA at PNNL
2018



Steven Gardiner
PhD UCD
Fermi National
Accelerator Lab
2018



Winston Degraw
Bachelors UCB
LBNL
2018



Scott Parker
PhD UCB
LANL
2018



Nicole Apadula
Postdoc UCB
LBNL
2018



Marc Fitzgerald
PhD UNLV
LLNL
2017



Gian Surbella
PhD GWU
PNNL
Spring 2017



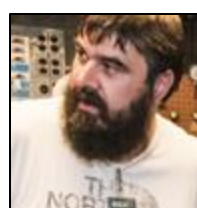
Cassara Higgins
Postdoc UNLV
LANL
2017



Leo Kirsch
PhD UCB
LLNL
Spring 2017



Joe Belarge
Postdoc MSU
MIT Lincoln Lab
2017



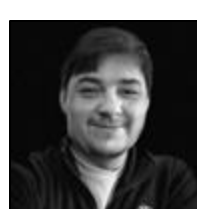
Josh Brown
PhD UCB
SNL
Fall 2017



Joseph Labrum
Bachelors UCB
Intelligence
2017



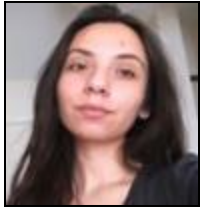
Josh Despotopulos
PhD UNLV
LLNL
2017



Ryan Pavlovsky
PhD UCB
LBNL
2017

NSSC Pipeline Metrics (2011-2024)

NSSC Alums Hired at the National Labs or Government Positions



Berenice Garcia
Bachelors UCB
LANL
2017



Nick Bricker
Masters UCB
LBNL
2016



Derek McLain
PhD UNLV
ANL
2016



Janelle Droessler
PhD UNLV
LANL
2016



Christopher Prokop
PhD MSU
LANL
2016



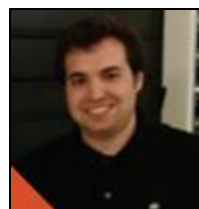
Charles Loelius
Masters MSU
NNSA | PNNL
2016



Nick Walsh
Postdoc UCD
LLNL
2016



David Weisz
PhD UCB
LLNL
2016



Michael Jones
PhD MSU
LBNL
2016



Sergey Uvarov
Masters UCD
LLNL
2016



Caleb Roecker
PhD UCB
LANL
2016



Ross Barnowski
PhD UCB
LBNL
2016



Eva Uribe
PhD UCB
SNL
2016



Kalee Hammerton
PhD MSU
Savannah River
2016



Keenan Thomas
Masters UCB
LLNL
2016



Barbara Wang
Postdoc UCB
LLNL
2016



Uday Mehta
Bachelors UCB
LLNL
2016



Chris Morse
PhD MSU
LBNL
2016



Anthony Juarez
UCB
SNL
2016



Thomas Halverson
Masters UCB
West Point
2016



Scott Suchyta
PhD MSU
Postdoc UCB
RSL
2016



Jessica Roche
Bachelors UCB
LLNL
2016



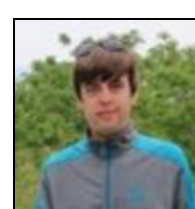
Quinlan Smith
Masters UNLV
ORNL
Spring 2016



Nicole Larson
Bachelors MSU
INL
2016



Ross Meyer
Bachelors UCB
LBNL
2015



Andrew Haefner
PhD UCB
LBNL
2015



Sherry Faye
PhD UNLV
LLNL
2015

NSSC Pipeline Metrics (2011-2024)

NSSC Alums Hired at the National Labs or Government Positions



David Sweeney
Postdoc UCB
DTRA
2015



Tenzing Joshi
PhD UCB
LBNL
2015



Justin Munson
PhD UCB
LLNL
2015



Timothy Shokair
Postdoc UCB
LLNL
2015



Christopher Brand
Bachelors UCB
LLNL
2015



Marc Bergevin
Postdoc UCD
LLNL
2015



Steven Stroberg
PhD MSU
TRIUMF
Spring 2014



Andrew Gillick
Masters UCB
Army
2014



Anthony Lubbers
Bachelors UCB
LLNL
2014



Alex Braatz
PhD UCI
ORNL
2015



Perry Chodash
PhD UCB
LLNL
2015



Andrew Wysong
Masters UCB
LLNL
2015



Duane Smalley
Postdoc MSU
LANL
2014



Matthew Proveaux
Masters UCB
PNNL
2014



Tim Aucott
PhD UCB
SRNL
2014



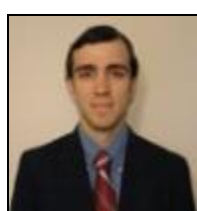
Jeromy Tompkins
Postdoc MSU
NSCL
2014



Audrey Roman
PhD UNLV
LANL
2014



Victor Negut
Bachelors UCB
LBNL
2014



Cameron Bates
PhD UCB
LANL
2014



Jeremy Mock
PhD UCD
LBNL
2014



Tashi Parsons-Moss
PhD UCB
LLNL
2014



Brian Plimley
PhD UCB
LBNL
May 2014



Deepa Khatri
Bachelors UCB
NNSA/LFO
2014



Keri Campbell
PhD UNLV
LANL
2014



Jenna Smith
PhD MSU
TRIUMF
Spring 2014



Anagha Iyengar
Bachelors UCB
NNSA
2014



Maryline Ferrier
PhD UNLV
LANL
2014

NSSC Pipeline Metrics (2011-2024)

NSSC Alums Hired at the National Labs or Government Positions



Paul Davis
Postdoc UCB
NNSA
Spring 2013



Quinn Looker
PhD UCB
SNL
2013



Ligang Bai
Postdoc UNLV
ANL
2013



Brian Daub
Postdoc UCB
LLNL
2013



Adam Rice
Masters UCB
Intelligence
2013



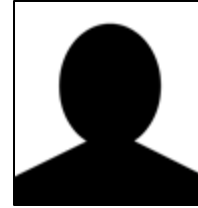
Alexander Dixon
Bachelors UCB
US Navy
2012



Jonathan Plaue
PhD UNLV
LANL
2012



Noah Fischer
Bachelors UCB
LANL
2012



Joshua Meyers
PhD UCB
LLNL
2012

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A stylized atomic symbol logo consisting of several overlapping, elliptical orbits in shades of yellow and orange. Three dark blue dots are positioned at various points along these orbits, representing electrons or nuclei.

NSSC

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