

Nuclear Science and Technology



NS&T Associate Laboratory Director
Jess Gehin



NS&T Chief Scientist
Simon Pimblott



NS&T Chief Operations Officer
Tim Williams



NS&T Chief Technology Officer
Erin Searcy



Reactor Systems Design and Analysis – C100
Youssef Ballout, Director



Nuclear Safety and Regulatory Research – C200
Curtis Smith, Director



National Reactor Innovation Center (NRIC) – C300
Brad Tomer, Acting Dir.



Fuel Cycle Science and Technology – C400
Monica Regalbuto, Acting Director



Advanced Scientific Computing – C500
Eric Whiting, Director



Nuclear Fuels and Materials – C600
Steven Hayes, Director



Senior Advisor, Strategic Programs
Steve Aumeier



Gateway for Accelerated Innovation in Nuclear (GAIN)
Christine King



Naval Reactors Programs
Casey Stengel



International Programs
Bonnie Hong

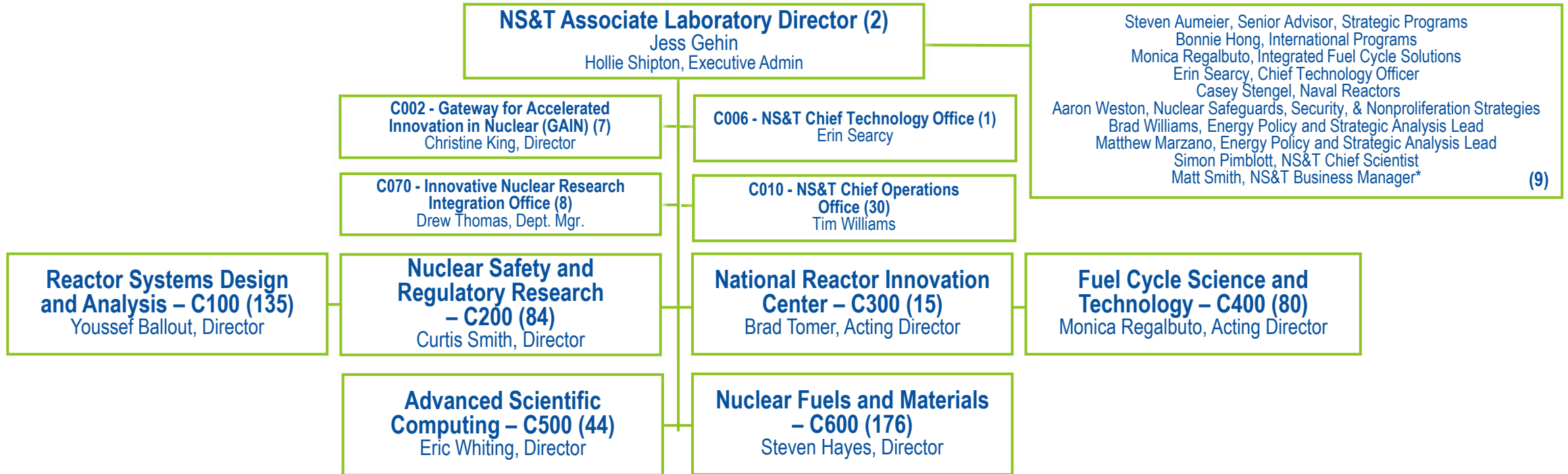


Integrated Fuel Cycle Solutions
Monica Regalbuto



Nuclear Safeguards, Security, & Nonproliferation Strategies
Aaron Weston

Nuclear Science and Technology



Staff – 591
Postdocs – 29
Interns – 27

Total Headcount – 647
Matrixed - 23
12/08/23

Nuclear Science and Technology

NS&T Associate Laboratory Director
Jess Gehin

C002 - Gateway for Accelerated Innovation in Nuclear (GAIN)
Christine King, Director

C006 - NS&T Chief Technology Office
Erin Searcy

C070 - Innovative Nuclear Research Integration Office
Drew Thomas, Dept. Mgr.

C010 - NS&T Chief Operations Office
Tim Williams

C011 - NS&T Research Operations
Mitch Wheeler, Acting Dept. Mgr.

C012 - NS&T Business Operations
Matt Smith, Dept. Mgr.*

C013 - NS&T Quality Engineers
Lori Croy, Dept. Mgr.*

C100 – Reactor Systems Design and Analysis
Youssef Ballout, Director
Misti Lillo, Deputy Director

C110 – Reactor Physics Methods and Analysis
Youssef Shatilla, Dept. Mgr.

C120 – Advanced Reactor Technology and Design
Gerhard Strydom, Dept. Mgr.

C130 – Thermal Fluid Systems Methods and Analysis
George Mesina, Dept. Mgr.

C140 – Irradiation Experiment Thermal Hydraulics Analysis
Piyush Sabharwall, Dept. Mgr.

C150 – Irradiation Experiment Neutronics Analysis
Joe Nielsen, Dept. Mgr.

C160 – Digital Reactor Technology & Development
Paul Schuck, Dept. Mgr.

C170 – Integrated Energy & Market Analysis
Dawn Scates, Dept. Mgr.

C180 – Special Reactor Concepts
Justin Coleman, Dept. Mgr.

C200 – Nuclear Safety and Regulatory Research
Curtis Smith, Director

C210 – Regulatory Support
Mike Calley, Dept. Mgr.

C220 – Instrumentation, Controls, and Data Science
Nancy Lybeck, Dept. Mgr.

C230 – Reliability, Risk, and Resilience Sciences
Shawn St. Germain, Dept. Mgr.

C240 – Human Factors and Reliability
Ron Boring, Dept. Mgr.

C250 – Human Factors and Reliability
Svetlana Lawrence, Dept. Mgr.

C300 – National Reactor Innovation Center (NRIC)
Brad Tomer, Acting Director

C310 - Demonstration Infrastructure and Support/ Demonstration Project Partnerships
Jack Britt, Dept. Mgr.

C400 – Fuel Cycle Science and Technology
Monica Regalbuto, Acting Director

C410 – Aqueous Separations and Radiochemistry – C410
Melissa Warner, Dept. Mgr.

C420 – Pyrochemical Science
David Tolman, Dept. Mgr.

C430 – Used Fuel Management
Daniel Thomas, Dept. Mgr.

C440 – Advanced Technology of Molten Salts
John Carter, Dept. Mgr.

C500 – Advanced Scientific Computing
Eric Whiting, Director

C510 – Computational Frameworks
Cody Permann, Dept. Mgr.

C520 – High Performance Computing
Matt Anderson, Dept. Mgr.

C530 – AI, Data and Visualization
John Koudelka, Dept. Mgr.

C600 – Nuclear Fuels and Materials
Steven Hayes, Director
Debbie Utterbeck, Deputy Director

C610 – Irradiated Fuels and Materials
Allen Roach, Dept. Mgr.

C620 – Fuel Development, Performance and Qualification
Jeff Giglio, Dept. Mgr.

C630 – Post Irradiation Examination & Project Execution
Justin Walsh, Dept. Mgr.

C640 – Irradiation Testing
Leigh Ann Astle, Dept. Mgr.

C650 – Computational Mechanics and Materials
Jason Hales, Dept. Mgr.

C660 – Experiment Design
Bryce Kelly, Dept. Mgr.

C670 – Measurement Science
Troy Unruh, Dept. Mgr.

Research Leadership

Directorate Fellows

Patrick Calderoni
James Cole
Mark DeHart
Paul Demkowicz
Steve Hayes
Dennis Keiser
Rory Kennedy
Donald McEligot
Robert Podgorney
Curtis Smith
Daniel Wachs
Robert Youngblood
Abderrafi Ougouag

Laboratory Fellows

Giuseppe Palmiotti
Simon Pimblott
Douglas Porter
Monica Regalbuto
Ting-Leung Sham

Emeritus Fellows

David Nigg
David Petti
Terry Todd
Richard Williamson

12/08/23

Gateway for Accelerated Innovation in Nuclear (GAIN) – C002 (7)

Christine King, Director
Teresa Krynicki, Admin
Jonathan Grams
Christopher Lohse
Emily Nichols
Holly Powell
Rachel Taow

NS&T Chief Technology Office – C006 (1)

Erin Searcy, Manager
Allison Ray

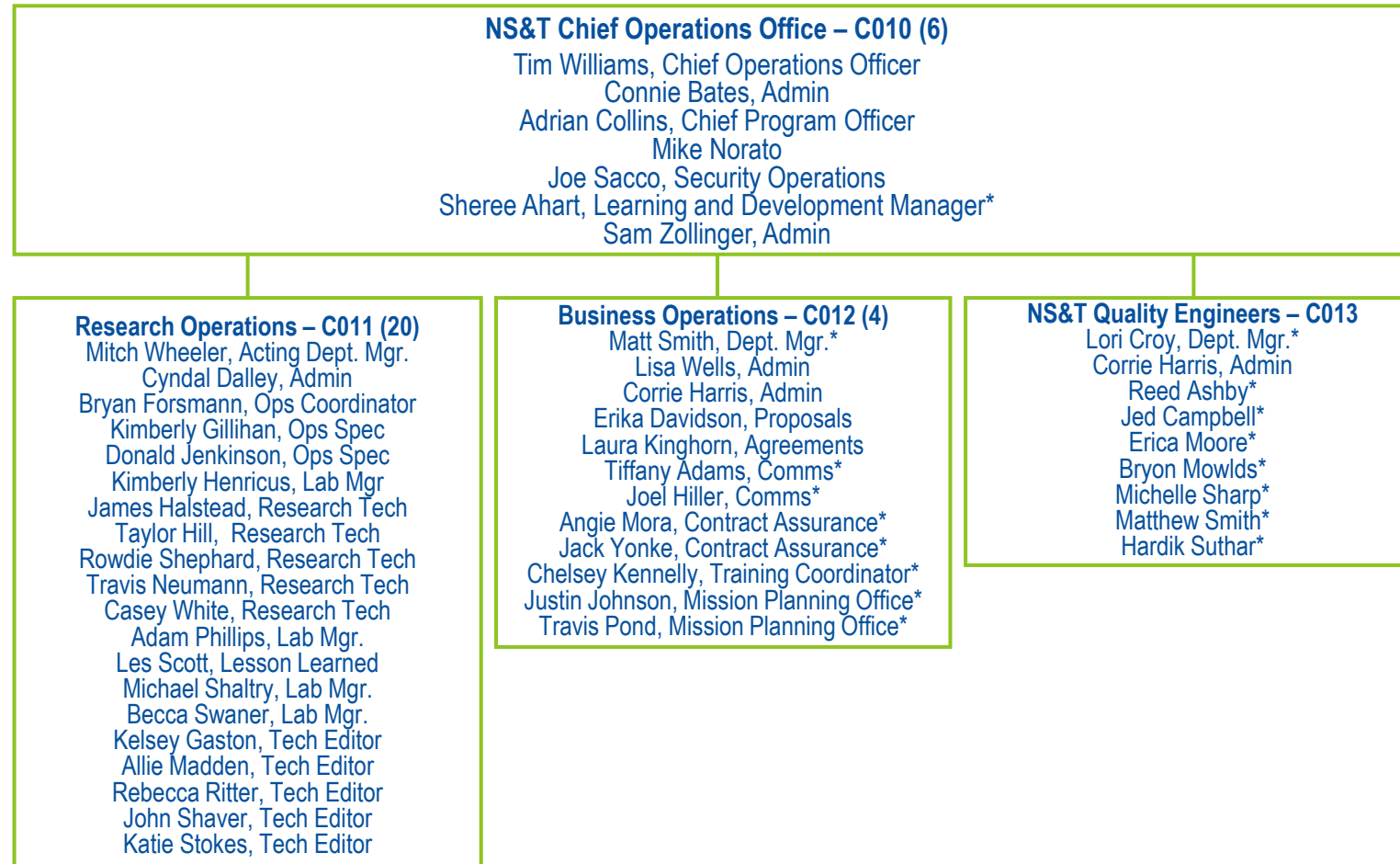
Innovative Nuclear Research Integration Office – C070 (8)

Drew Thomas, Dept. Mgr.
Crystal Sosalla, Admin
Nick Case
Megha Dubey
Julie Jacobson
Tyler Newitt
Joshua Peterson
Pamela Rich
Cece Bell*

Matrixed - 1

Matrixed Staff - *

Nuclear Science and Technology

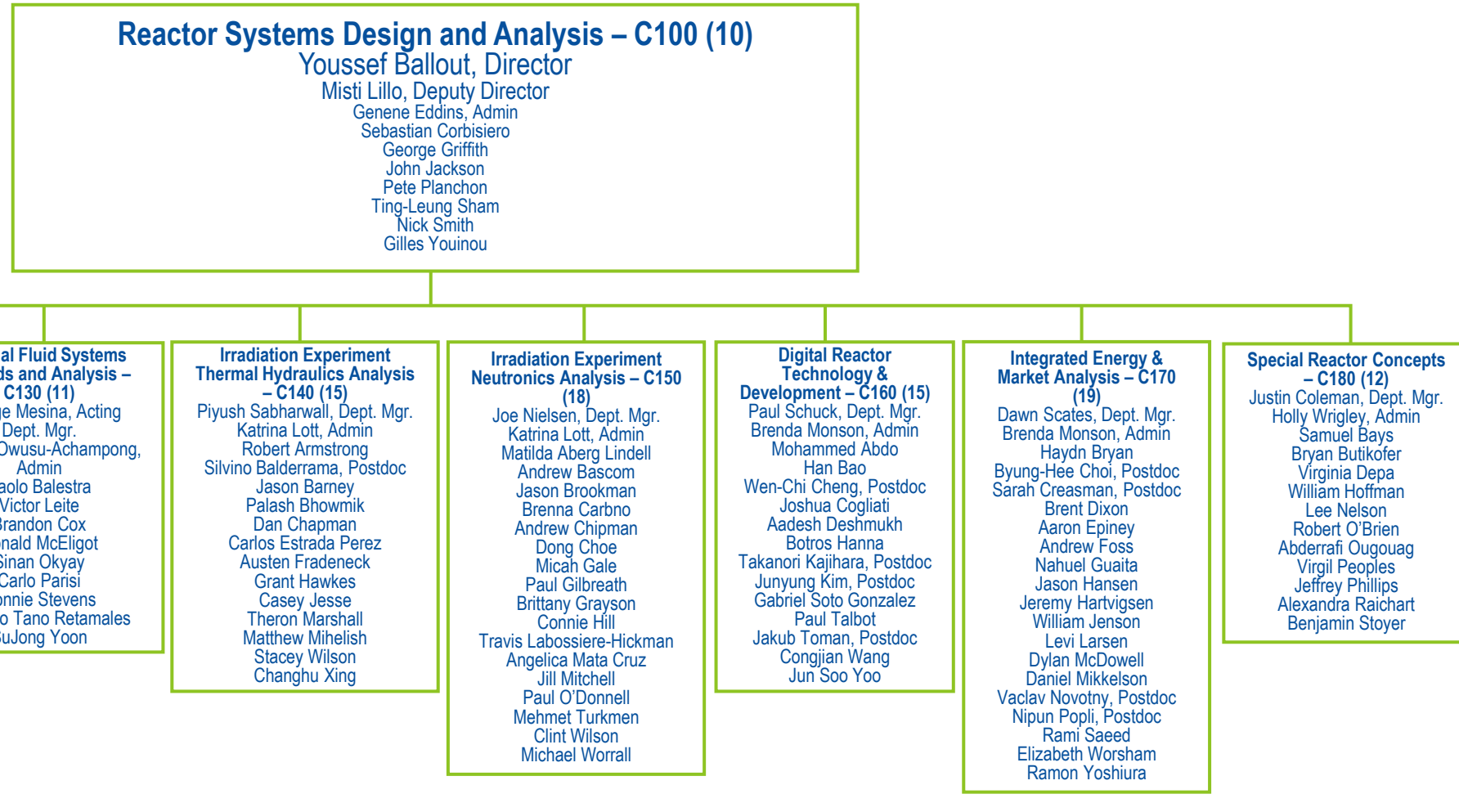


Headcount – 30

Matrixed - 17

Matrixed Staff - *

Nuclear Science and Technology



Nuclear Science and Technology

Nuclear Safety and Regulatory Research – C200 (3)

Curtis Smith, Director
Erica Sanchez, Admin
Bruce Hallbert, LWRS Director
Robert Youngblood

Regulatory Support – C210 (14)

Mike Calley, Dept. Mgr.
Periann Archibald Anderson, Admin
Lexie Byrd
Jason Christensen
Christopher Chwasz
Scott Ferrara
Dante Huntsman
Jim Kinsey
James Knudsen
Tao Liu
Zhegang Ma
Robert Sant
Douglas Zeek
Sai Zhang

Instrumentation, Controls, and Data Science – C220 (26)

Nancy Lybeck, Dept. Mgr.
Susan Little, Admin
Vivek Agarwal
Ahmad Al Rashdan
Edward Chen, Postdoc
Jacob Farber
Kirk Fitzgerald
Chaitee Godbole, Postdoc
Andrei Gribok
Paul Hunton
Nancy Johnson
Linyu Lin
Andrea Mack
Norman Mapes
John Merickel
Imtiaz Nasim
Joseph Oncken
Cam Binh Pham
Craig Primer
Jason Remer
Brandon Rice
Ryan Spangler
Cody Walker
Brian Wilcken
Keith Wilson
Vaibhav Yadav

Reliability, Risk, and Resilience Sciences – C230 (17)

Shawn St. Germain, Dept. Mgr.
Erica Sanchez, Admin
Cathy Barnard
Jordan Boyce
Chris Everett
Ronald Gonzales, Postdoc
Kellie Kvarfordt
Diego Mandelli
Warren Merrill
Jared Nielson
Steven Prescott
Michael Reeder
Megan Rose
Emerald Ryan
Angela Smith
Ted Wood
Michael Ziccarelli

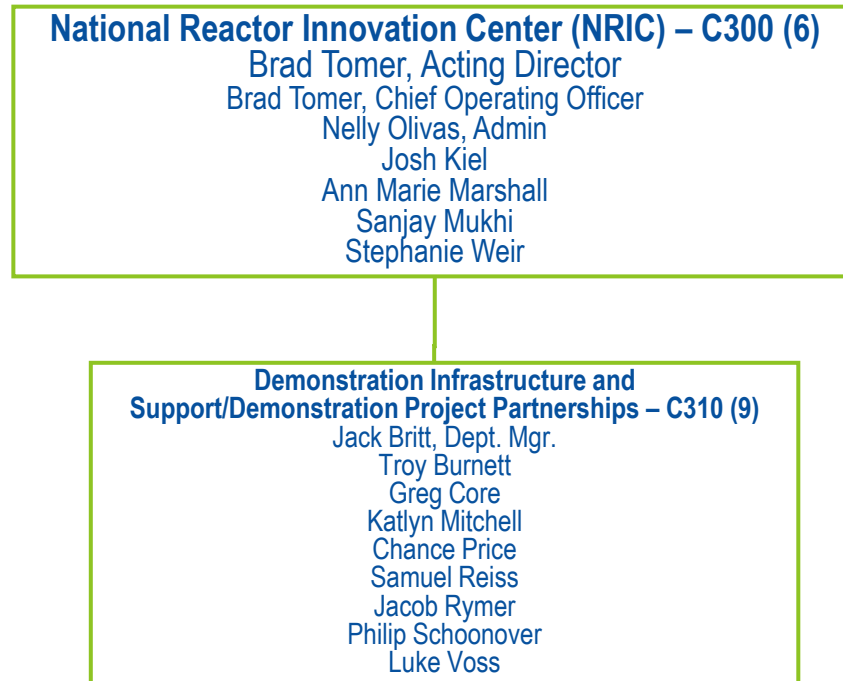
Human Factors and Reliability – C240 (17)

Ron Boring, Dept. Mgr.
Kristy Whitmill, Admin
Anna Hall
Rachael Hill
Jeffrey Joe
Casey Kovesci
Katya Le Blanc
Ruixuan Li
Heather Medema
Tina Miyake
Jeremy Mohon
Torrey Mortenson
Cheyenne Odenthal
Jooyoung Park
Zachary Spielman
Thomas Ulrich
Jodi Vollmer

Risk Phenomena Modeling – C250 (7)

Svetlana Lawrence, Dept. Mgr.
Chandranth Bolisetti
Yong-Joon Choi
Robby Christian
Efe Kurt
Courtney Otani
Kurt Vedros

Headcount – 84



Nuclear Science and Technology

Fuel Cycle Science and Technology – C400 (9)

Monica Regalbuto, Acting Director
 Michele Oliveira, Admin
 Brad Couch
 Caitlin Hurstik
 Josh Jarrell
 Leslie Johnson
 Kevin Lyon
 Ken Marsden
 Mark Senderling
 Terry Todd, Emeritus Fellow
 Donald Wood

Aqueous Separations and Radiochemistry – C410 (24)

Melissa Warner, Dept. Mgr.
 Michele Oliveira, Admin
 Kash Anderson
 Addyson Barnes
 Trevor Coleman
 Jacy Conrad
 Ramedy Flores
 Sue Forman
 Meghan Fujimoto
 Troy Garn
 Mitch Greenhalgh
 Travis Grimes
 Colt Heathman
 Hanna Hlushko, Postdoc
 Gregory Holmbeck
 Amy Kynman, Postdoc
 Emma MacLaughlin
 Alexander Martin
 Dean Peterman
 Corey Pilgrim
 Catherine Riddle
 Samuel Thomas
 Rachel Umpleby
 Amy Welty
 Peter Zalupski

Pyrochemical Science – C420 (16)

David Tolman, Dept. Mgr.
 Nicole Jennings, Admin
 Dean Burt*
 Adam Butikofer
 Rodney Campbell
 Guy Fredrickson
 Steve Herrmann
 Robert Hoover
 David Horvath
 Ethan Kappes
 Toni Karlsson
 Morgan Kropp
 Evan Lovel
 Austin Parmer*
 Brian Preussner
 Kevin Tolman
 Steve Warmann
 Jonathon Wilcox

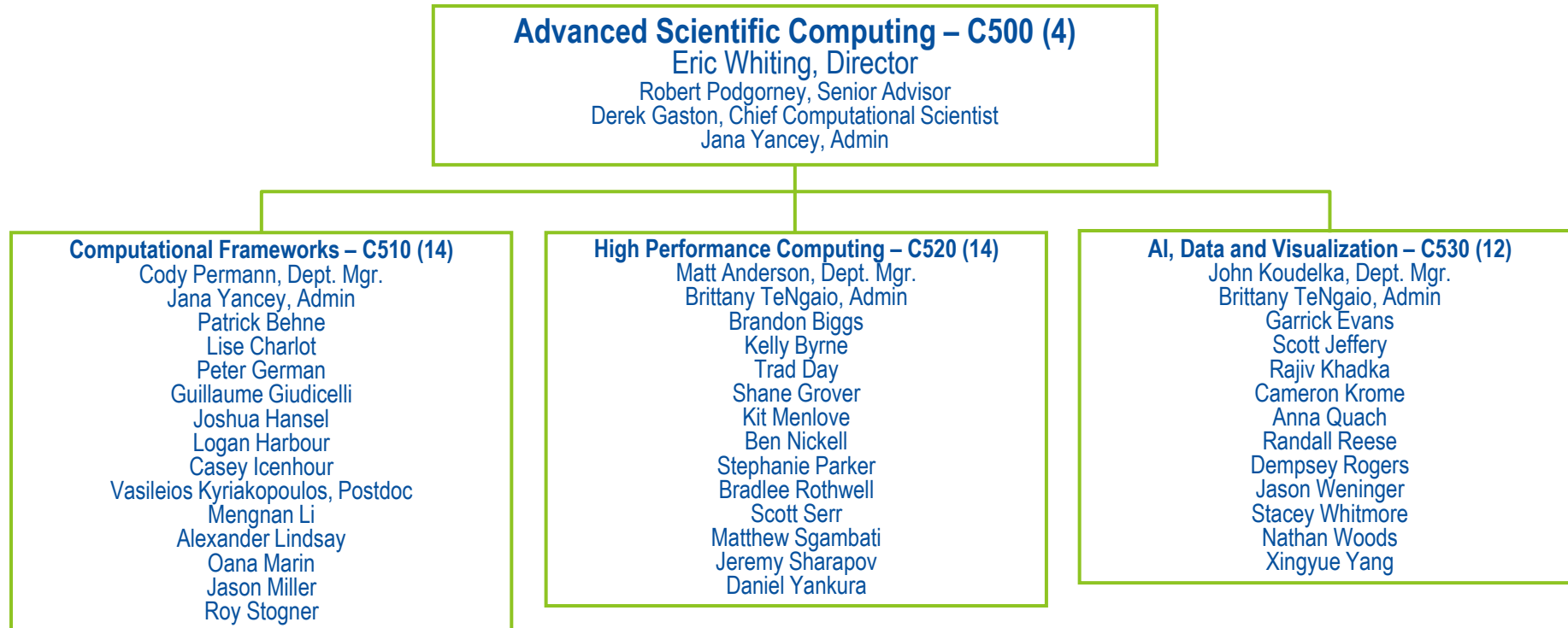
Used Fuel Management – C430 (15)

Daniel Thomas, Dept. Mgr.
 Michele Oliveira, Admin
 Ursula Carvajal
 Elmar Eidelpes
 Nathan Hofmeister
 Devin Imholte
 Robby Joseph
 Evans Kitcher
 Nilay Kulkarni
 Matt Murphy-Sweet
 Andrew Newman
 Andrew Orrell
 Gordon Petersen
 Addi Quintillano
 Kristina Spencer
 Samuel Trost

Advanced Technology of Molten Salts – C440 (16)

John Carter, Dept. Mgr.
 Nicole Jennings, Admin
 Guoping Cao
 Ruchi Gakhar
 James King
 Tim Malewitz
 Brennan Mohr
 Aditya Moudgal, Postdoc
 William Phillips
 Alejandro Ramos, Postdoc
 Maria Rodriguez
 Robin Roper, Postdoc
 Prabhat Tripathy
 Michael Woods
 Qiufeng Yang, Postdoc
 Jacob Yingling, Postdoc
 Tae-Sic Yoo

Headcount - 80
 Matrixed - 2



Nuclear Science and Technology

Nuclear Fuels and Materials – C600 (3)

Steven Hayes, Director
Debbie Utterbeck, Deputy Director
Mimi Garcia, Division Admin
Tiera Cate*

Program Technical Leads – C600 (9)

Patrick Calderoni, ASI
Jim Cole, HPRR
Paul Demkowicz, ART
Brenden Heidrich, NSUF
Dave Petti, Emeritus Fellow

Doug Porter, TerraPower
Dan Wachs, AFC
Heather Chichester, Industry Partner Programs
Rory Kennedy, Seaborg Institute

Program Managers – C601 (4)

Collin Knight, NSUF
Ed Mai, AFC
Travis Mitchell, ART
Todd Pavey, TREAT

Irradiated Fuels and Materials – C610 (24)

Allen Roach, Dept. Mgr.
Kim Felde, Admin
Sutapa Biswas
Volodymyr Buturlim, Postdoc
Matthew Eklund
Jordan Evans
Thomas Fuerst
Hanns Gietl
Irina Glagolenko
Krzysztof Gofryk
Keith Jewell
Drew Johnson
Andrea Jokisaari
Dennis Keiser
Larry Loftus
Sanjoy Mazumder, Postdoc
Michael McMurtrey
Michael Moorehead
Stephanie Pitts
Sabin Regmi, Postdoc
Masashi Shimada
Rongjie Song
Chase Taylor
Yachun Wang

Fuel Development, Performance and Qualification – C620 (25)

Jeff Giglio, Dept. Mgr.
Kim Felde, Admin
John Alvis
Boone Beausoleil
Lu Cai
Paul Ferney, Postdoc
Charles Folsom
Ryan Fronk
Colby Jensen
David Kamerman
Seongtae Kwon
Margaret Marshall
Pavel Medvedev
Musa Moussaoui
Kyle Paaren
Alex Pomo
Ed Reber
Adriaan Riet
Adam Robinson
Seokbin Seo
William Skerjanc
John Stempien
Alexander Swearingen
Kelley Verner
Walter Williams
Nicolas Woolstenhulme

Post Irradiation Examination & Project Execution – C630 (18)

Justin Walsh, Dept. Mgr.
Jeni Baker, Admin
Tandy Bales
Ed Beverly
Mark Cole
Kelly Cunningham
Phyllis King
Ryan Fronk
Doug Morrell
Ethan Oberg
Anna Podgorney
Jake Stockwell
ReBekah Thompson
Judy Thomson
Nicholas Ullum
Dain White
Alexander Winston
Philip Winston
Alina Zackrone

Irradiation Testing – C640 (19)

Leigh Astle, Dept. Mgr.
Velma Nelson, Admin
Matthew Arrowood
Kort Bowman
Susan Case
Mike Davenport
Cindy Fife
Gary Hoggard
Travis Howell
Soumadipta Jash
Kip Kleimenhagen
Caysie Marshall
Christopher Murdock
Thomas Richardson
Aaron Russell
Trevor Smuin
Madison Tippet
Renae Tripp, NSUF Admin
Christopher Turner

Computational Mechanics and Materials – C650 (31)

Jason Hales, Dept. Mgr.
Sarah Roberts, Admin
Larry Agesen
Parikshit Bajpai, Postdoc
Chaitanya Bhave, Postdoc
Sudtipa Biswas
Yifeng CheSom Dhalupala
Jarin French, Postdoc
Kyle Gamble
Jacob Hirschhorn
Chao Jiang
Sourabh Kadambi
Jia-Hong Ke
Linu Malakkal
Antonio Martin Recuero
Himani Mishra, Postdoc
Lynn Munday
Steve Novascone
Veerappan Prithivirajan
Daniel Schwen
Pierre-Clement Simon
Gyanender Singh
Ben Spencer
Ryan Sweet
Mathew Swisher
Daniel Vanwasshenova
Jianguo Yu
Dewen Yushu
Adam Zabriskie
Shuxiang Zhou

Experiment Design – C660 (26)

Bryce Kelly, Dept. Mgr.
Jeni Baker, Admin
Klint Anderson
Jessica Ashby
Clint Baker
Brad Benefiel
Craig Biebel
Stanton Byington
Daniel Crush
Calvin Downey
Brian Durtschi
Michael Fanning
Kendell Horman
Greg Housley
Justin Lower
Dakota Neary
Cheyenne Newberry
Nate Oldham
Joe Palmer
Renn Patch
Cody Race
Matthew Ramirez
Keegan Ryan
Wes Smith
Ian Stites
Joshua Tonks

Measurement Science – C670 (17)

Troy Unruh, Dept. Mgr.
Stephanie Almond, Admin
Todd Birch
Geran Call
Chase Case*
Mustafa Cetiner
Anthony Crawford
Kurt Davis
Joshua Daw
Austin Fleming
Ashley Lambson
Jonathan Littlejohn*
Lisa Moore-McAteer
Charles Payne
Richard Skifton
James Smith
Kevin Tsai
Malwina Wilding
Bibo Zhong, Postdoc

Headcount – 176
Matrixed - 3

Grad Fellows (7)

So-bin Cho, C170
Iza Lantgios, C170
Kaeley Stevens, C220
Malachi Nelson, C620
Max Nezdyur, C650
William Yorgason, C650
Haeseong Kim, C670

Interns (27)

Kenneth Fossum, C140
Gabriel Oringdulph, C140
Luis Nunez, C160
Jacob Bryan, C170
Aiden Rigby, C170
Logan Williams, C170
Aaron Horwood, C180
Roger Boza, C220
Egemen Aras, C230
Dylan Jurski, C240
Diana Grajeda, C410
Rajab Ahmadi, C420
Alexandria Wood, C430
David Zirker, C440
Denver Conger, C520
Kaylee Dalton, C520
Brigham Eaquinto, C520
Benjamin Mahoney, C520
Devin Rowley, C520
Michael Wu, C520
Candan Martin, C530
Isreal Olaveson, C530
Stefan Abbott, C600
Nathan Gehmlich, C610
Mackenzie Warwick, C610
Aaron Feinauer, C660
Megan Laing, C660