World-changing technologies.
Life-changing careers.
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Sandia
National
Laboratories

VISION » RESEARCH » SKILLS » TALENTS »

Paul Hommert
PRESIDENT AND LABORATORIES DIRECTOR

*"Throughout its history, our laboratory has been guided by the core principle of — in the words of President Harry Truman — rendering an **'exceptional service in the national interest'**... The nation has consistently called on Sandia to develop solutions that keep us a step ahead. The post-Cold War world has presented new and complex issues for America, ranging from terrorism, cyber attacks, and uncertainties over our country's energy security and infrastructure, to waging asymmetrical wars that require new technologies and strategies."*

YOUR

GOALS » INSPIRATION » COLLABORATION

MAKE THE DIFFERENCE TO A CHANGING WORLD

This is your lab and YOU can be the difference.

At Sandia National Laboratories we are looking for people like you who share our dedication to Sandia's mission—serving the nation. Sandia offers many challenging and rewarding career opportunities for engineers, scientists, computer specialists, technologists, professional and administrative staff, and students throughout our mission areas of defense, nonproliferation, energy, and homeland security.

Within these mission areas

You can be...

...a cyber DEFENDER

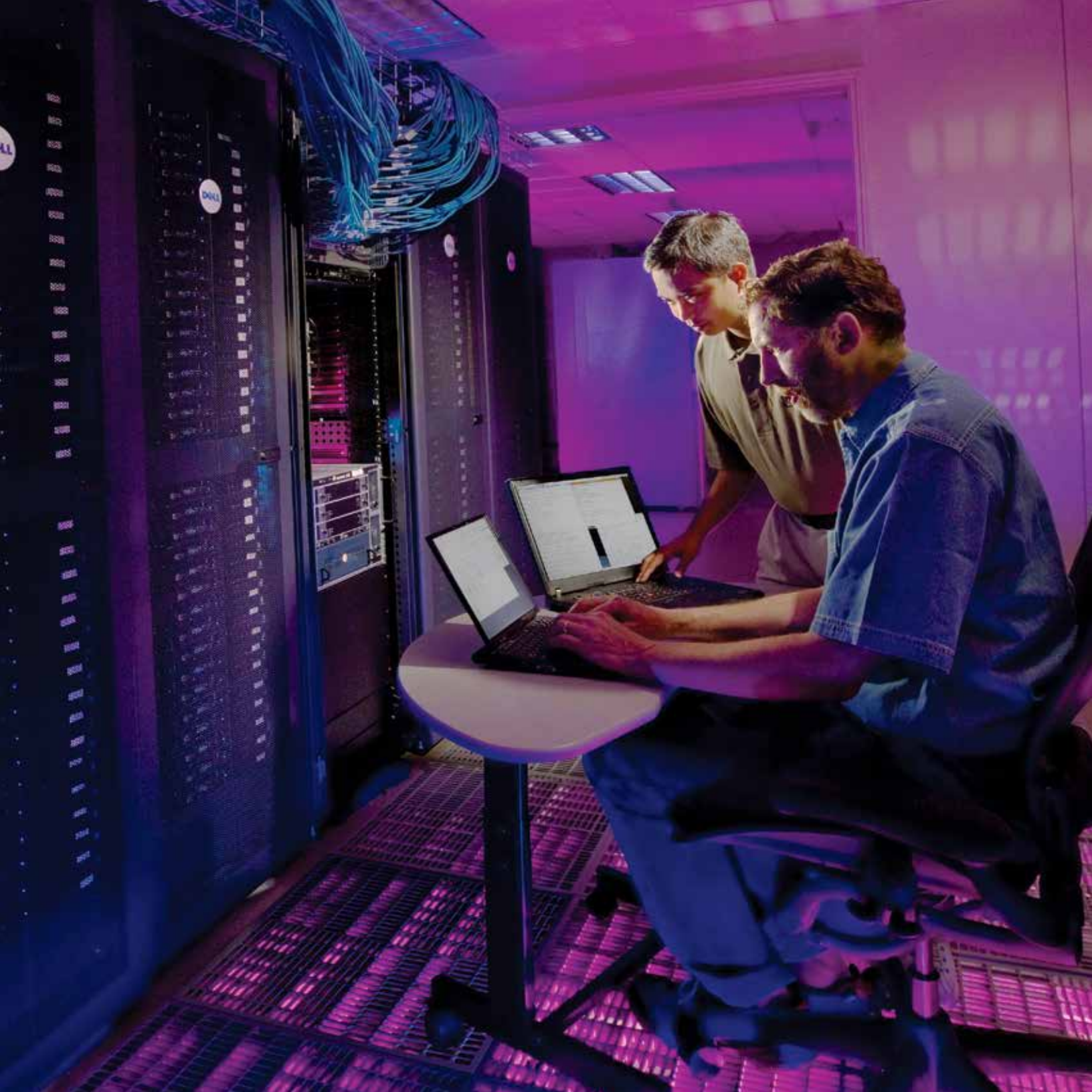
Protecting the cyber realm has rapidly become an essential part of national security. Our government, military, and economic systems depend on the electronic information infrastructure.

Sandia is building the science and engineering foundations of cyber security. Our cyber security research mission concentrates on securing hardware, software, and systems; networks and systems architectures and analysis; and effective cyber defense systems. Sandia is recognized as a national resource in developing and implementing new technologies to counter cyber threats.

Daniel
THREAT ANALYSIS TECHNOLOGIES

Daniel's background is in electrical and computer engineering. In Sandia's cyber security group, he designs tests and tools to find and categorize vulnerabilities in hardware and software. He reverse engineers hardware and software, and conducts static and dynamic analyses of software.

"I like my work because I know that the work I do is really important to our nation—at the end of the day I am left with a great sense of satisfaction. I like Sandia because I really enjoy the relaxed environment, the flexibility to control my own career, but most of all, the incredible work-life balance."



...a space SURVEYOR

At Sandia we develop and promote innovative remote sensing technologies for ground, air and space-based payloads, and systems. Our sensing technologies support national security programs with monitoring and detection of gases, particulates, explosives, biologic agents, and chemicals for various missions. Our research and development environment supports designing, developing, testing, and deploying these systems, and give our engineers and scientists a unique, hands-on work experience.

Darren

SATELLITE SYSTEMS ENGINEERING

Darren has a degree in electrical engineering and works in the Sandia Advanced Systems Program as a systems engineer. His program work spans entire project life cycles. He is responsible for consistent performance assessments against well-defined systems-engineering expectations.

"I like my work because I interact with customers and designers and have to be creative on how requirements are being met. I like Sandia because I get to work with some great people who challenge me daily."

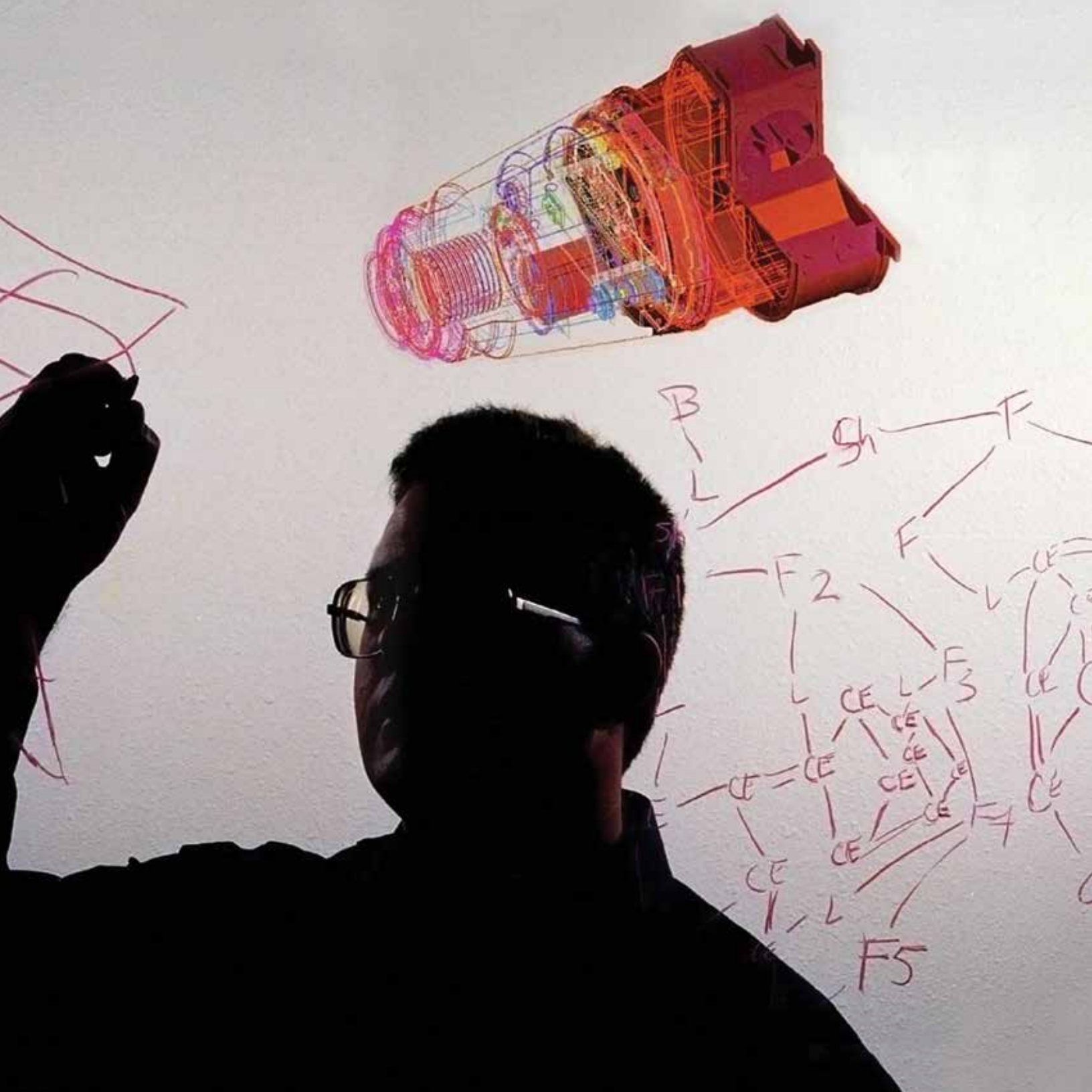
...a rocket SCIENTIST

Sandia's primary mission is ensuring the U.S. nuclear arsenal is safe, secure, reliable, and can fully support our nation's deterrence policy. The world-class scientists and engineers, who are stewards of the nuclear stockpile, develop and employ the most advanced, fail-safe technologies. Sandia designs and integrates more than 6,300 parts of a modern nuclear weapon's 6,500 components. Along with surety and design, Sandia develops and enhances weapon and surveillance technologies.

Kelsey
AEROSPACE SYSTEMS AND ANALYSIS

As an aerospace engineer, Kelsey is designing wind tunnel experiments one day and the next day she may be brainstorming with her team on how to build more fuel-efficient vehicles. Her research improves turbulent aero-acoustic models, which is valuable in designing the next-generation car or the next missile defense system.

"Sandia Labs provides lots of educational opportunities and career path flexibility. Everyone I work with is motivated and passionate about the work we do. I look forward to a long and rewarding career here."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...a biological EXPLORER

Research and development programs at Sandia encompass a range of life science disciplines, from bioscience to biotechnology. A deep understanding of biological systems and the ability to predict their behaviors play a key role in energy security, environmental protection, and defense against biothreats. Sandia conducts research in two strategic areas — biodefense and biofuels — so that we can help solve problems in homeland and energy security.

Jeanne

BIOTECHNOLOGY & BIOENGINEERING

Jeanne is a mechanical engineer whose work focuses on bioengineering. Her team's work in lipid membranes explores the basic physical mechanisms that enable membranes to vary their architecture and biochemistry. In particular, they are researching the role of membranes in biological defense and the design of membrane-based materials.

"I enjoy designing and carrying out experiments that help answer questions and solve problems. I like Sandia because I get to work with great people who share my passion for research and are willing to work together to solve problems."

...an energy RENEWER

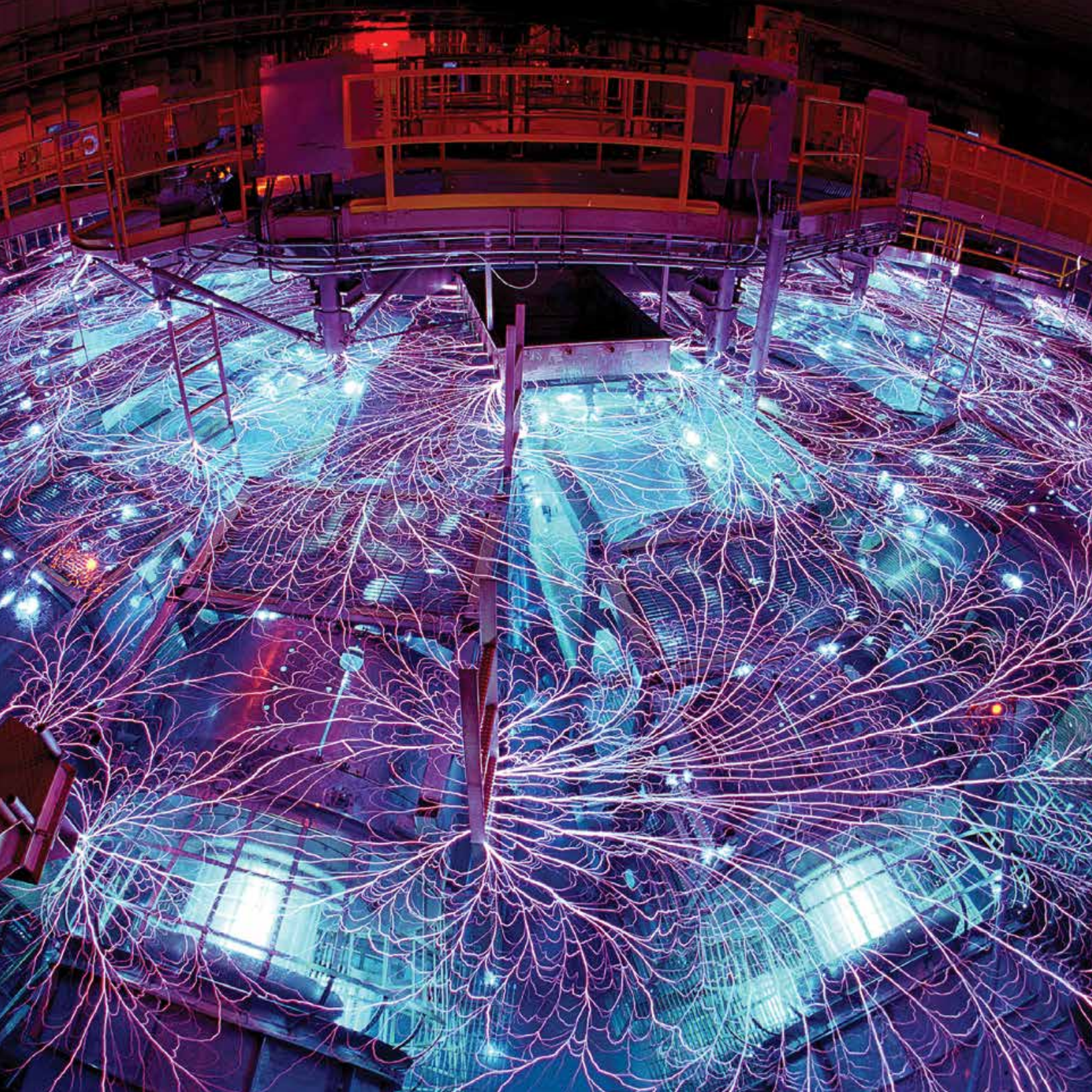
In the light of growing concerns about the health of our planet and our escalating demand for energy, Sandia focuses on clean, renewable solutions such as solar, wind, and research into fusion technology. The quest to wring usable energy out of fusion reaction is the Holy Grail in fusion physics. Decades of Sandia's fusion research for weapons effects simulations has built a synergy with the potential energy applications of fusion, as well as a commitment to find as many energy solutions possible for the future of our environment.

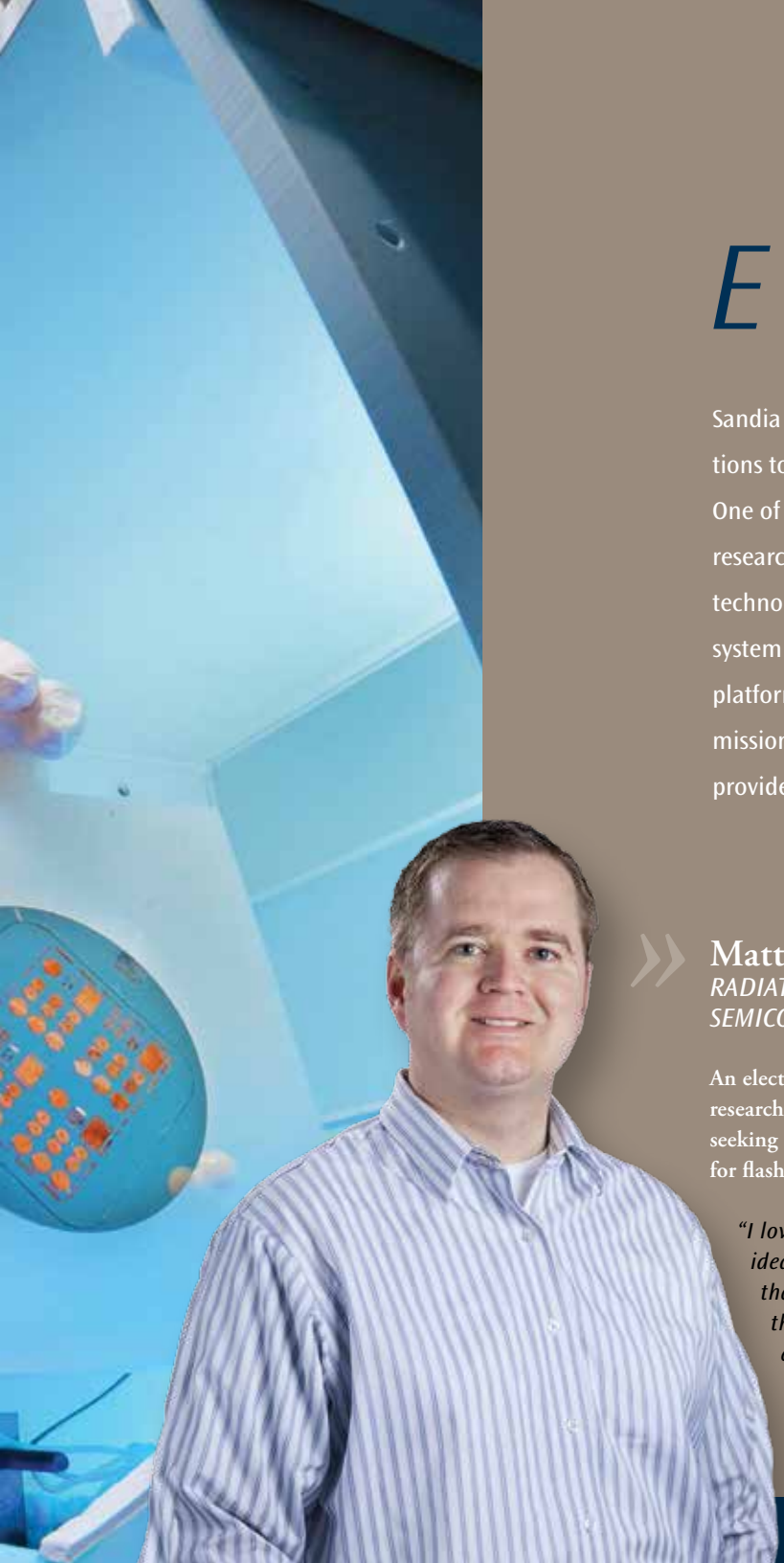
Matthew

RADIATION & FUSION EXPERIMENTS

Matt has a background in nuclear engineering and radiological sciences with a concentration in plasma physics. Matt's team conducts experiments that generate intense x-ray pulses on the Z machine, creating plasma that is hotter than the sun. Controlled inertial confinement fusion has applications in stockpile stewardship and inertial fusion energy.

"My research allows me to work with cutting-edge equipment and world-class scientists. I have access to the world's largest pulsed-power machine. Sandia offered me a lot of responsibility fairly quickly, but I have the choice to work on the projects that I find most interesting."





...a micro EVOLVER

Sandia creates innovative, science-based, systems-engineering solutions to our nation's most challenging national security problems. One of those solutions is the development of microsystems. Sandia researchers have the mission of developing trusted microsystems technologies that enable new and increasingly powerful macro-system capabilities and functionality for critical national security platforms. Microsystems researchers work with many other Sandia mission areas — cyber, space, and remote sensing programs — to provide a wide breadth of U.S. national security missions support.

Matt

RADIATION-HARD COMPLEMENTARY METAL OXIDE SEMICONDUCTOR TECHNOLOGY DEVELOPMENT

An electrical engineer specializing in semiconductor device physics, Matt researches advanced semiconductor devices and technologies. His team is seeking new technologies and is examining next-generation replacements for flash memory.

"I love researching at the cutting edge of technology. We are investigating ideas that in some cases sound like science fiction, such as a computer that can mimic the function of a human brain. At Sandia, I have the freedom to pursue projects in areas of my strongest interest and expertise."

...a combustion CONDUCTOR

A key area of basic and applied research at Sandia seeks improved use and control of combustion processes. The need for a comprehensive understanding of combustion leads to the study of chemical reactions in a flame or the development of an instrument that detects gas leaks remotely. Chemical imaging, based primarily on laser diagnostics, as well as high-performance computer modeling and simulation, helps reveal the intricate interplay of fluid dynamics and chemistry in combustion.

Karla
REACTING FLOW RESEARCH

Karla develops software and her background is in mechanical engineering and computational fluid dynamics. She is helping develop a scalable, open-source framework for novel programming models and application of computational fluid dynamics to multiphysics flows.

"I like my work because there is always something new and exciting to learn, an idea or concept to explore. Sandia gives me the opportunity to collaborate with the best scientists and engineers in bioscience, climate, microsystems, and combustions, and I look forward to gaining some experience in several of these areas."

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SANDIA

...a professional PIONEER

Sandia is rich in opportunities for business professionals to use their education and experience to build flexible business solutions in a dynamic research and development environment. The variety of work at Sandia lets business professionals enjoy multiple career paths that contribute to national security, whether in accounting, financial analysis, human resources, staffing, project management, or other professions.

Hieu

SAFEGUARDS & SECURITY BUSINESS OPERATIONS

Hieu is a financial analyst, who enables managers to carry out their missions within authorized program budgets. She also helps identify opportunities for investments and efficiencies.

"I help technical staff concentrate on what they do best without worrying about the funding and other financial aspects. I like the opportunity to work with my team members…I feel they value my support. I like the atmosphere and knowing that my work impacts our mission."

...be a SANDIAN

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Join a multidisciplinary team of stellar scientists, engineers, and professionals and pursue fulfilling and challenging research at the leading edge of advanced technologies. This is your lab and YOU can be the difference.

OUR LOCATIONS

LIVERMORE, CALIFORNIA

Sandia/California is uniquely situated at the edge of the San Francisco Bay Area. Livermore enjoys close proximity to first-tier universities, Silicon Valley companies, and other top research laboratories and facilities. Livermore is just a short drive from the beach, the mountains, the desert, or wine country.

ALBUQUERQUE, NEW MEXICO

Sandia/New Mexico is located in Albuquerque, a city immersed in the vibrant Southwest culture. The greatest strengths of the city are its diversity, its proximity to the great outdoors and year-round good weather. Outdoor enthusiasts take advantage of our sunny skies and go mountain biking, hiking, and skiing, and take part in the world's largest hot air balloon festival.

OUR PERKS

CULTURE & VALUES

- Integrity
- Excellence
- Service to the Nation
- Our People
- Teamwork

COMPENSATION

- Competitive base salary
- Non-base cash awards for significant achievements and performances

CAREER & PROFESSIONAL DEVELOPMENT

- Educational assistance
- Internal training resources
- Leadership development programs
- Diversity network & resources

EDUCATION

- Tuition assistance
- Masters Fellowship Program
- University part-time program
- Special masters program
- Doctoral study program

WELLNESS PROGRAMS

- Onsite fitness center
- Smoking cessation program
- Nutrition services
- Online health resources
- Preventive healthcare screening programs

RETIREMENT (401K)

- Employees contribute 2-25%
- Sandia match—2/3 of the first 6% of contributions
- Contributions vested immediately
- Sandia automatically contributes 6%, subject to 3-year vesting service requirement

FLEXIBLE SCHEDULE

- 9/80 option (every other Friday off)
- Part-time
- Telecommuting
- Paid time off

COMMUNITY

- Volunteer opportunities
- Employee & corporate giving
- Education outreach

BE PART OF AN INCLUSIVE TEAM

- Employee diversity initiatives
- Diversity councils
- Awards & recognition
- Diversity events

HEALTH

- Medical / dental / vision
- Same sex domestic partner benefits
- Onsite clinic
- Life / accident / disability insurance
- Healthcare and dependent care spending accounts
- Adoption assistance

*These programs and benefits are offered at the discretion of Sandia and may be subject to modification or change at any time.

June 2011

Exceptional service in the national interest

Sandia National Laboratories

sandia.gov/careers

Your career starts here:

Operated By

LOCKHEED MARTIN

U.S. DEPARTMENT OF ENERGY | NNSA

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