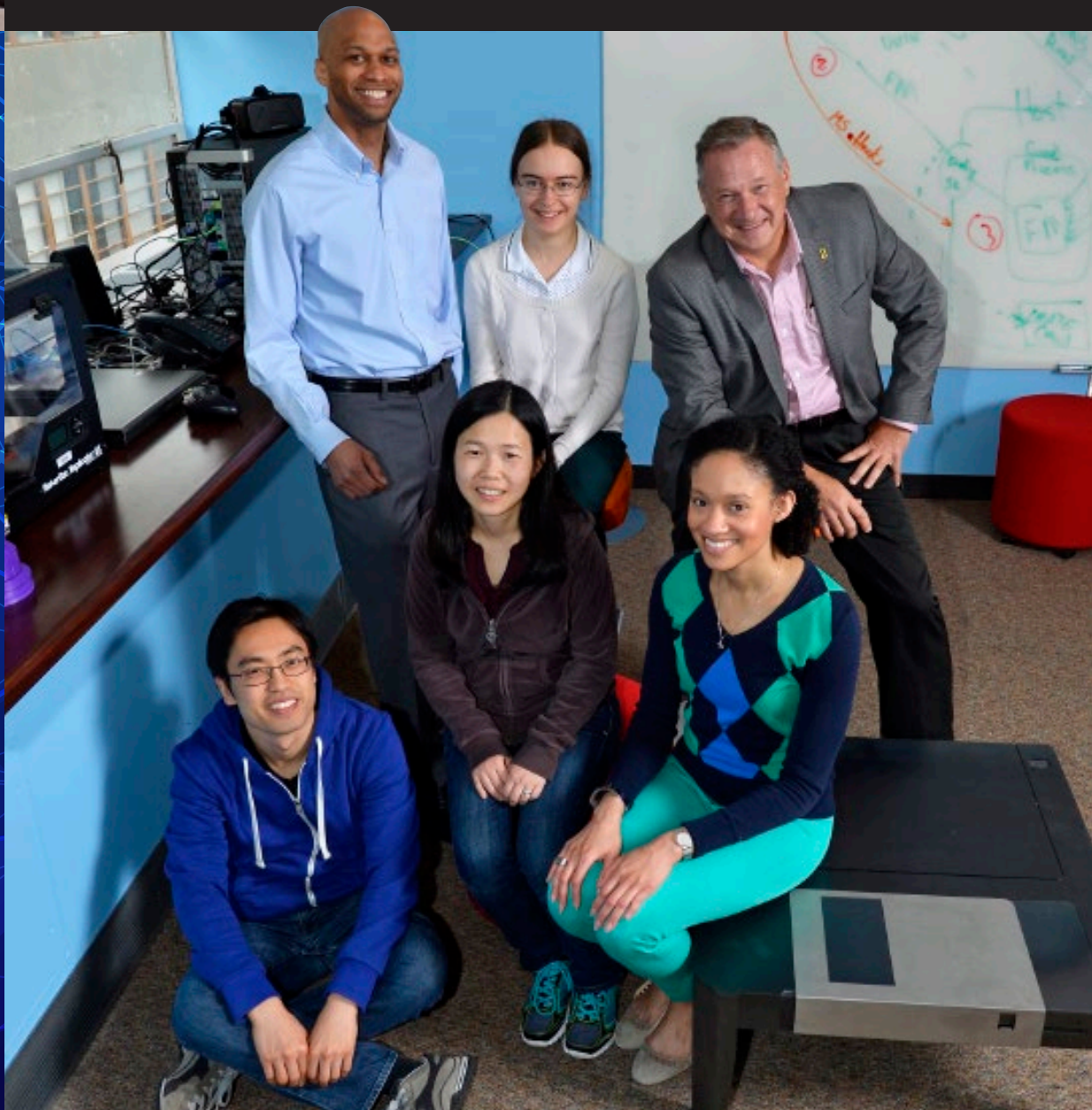
MIT Lincoln Laboratory

Cyber Security and Information Sciences



MAKE A DIFFERENCE

For over 60 years, Lincoln Laboratory has been the part of MIT focusing on advanced technology for national security. We employ some of the nation's best talent to develop solutions to hard problems that make a difference to the country and to the world. In the Cyber Security and Information Sciences Division, we've been growing fast. From conducting fundamental research to deploying technology prototypes for operational users, our team is dedicated to serving the nation and the world. We're proud of the work that we do and the team that we're growing.

Take a look through the pages that follow. If you'd like to join our team, contact us at http://www.ll.mit.edu/employment/

Stephen Rejto
Head, Cyber Security and Information Sciences Division
MIT Lincoln Laboratory

CYBER SECURITY AND INFORMATION SCIENCES

"I love working here because of the people. Everyone is friendly and intellectually curious, and when you combine that with the type of work we do, you end up having fascinating discussions."

Alan Keith
MS, Computer Science, 2014
Carnegie Mellon University

"I love the Lab's flat organizational culture and its sense of mission. Everyone contributes, and everyone's contributions matter."

Joseph Zipkin
PhD, Mathematics, 2014
University of California, Los Angeles

"Lincoln Laboratory affords the opportunity to collaborate with talented and personable colleagues on interesting problems critical to national security. The emphasis on continued growth and learning fosters an environment that keeps pace with cutting-edge advancements in technology, guaranteeing the operational relevance of our work."

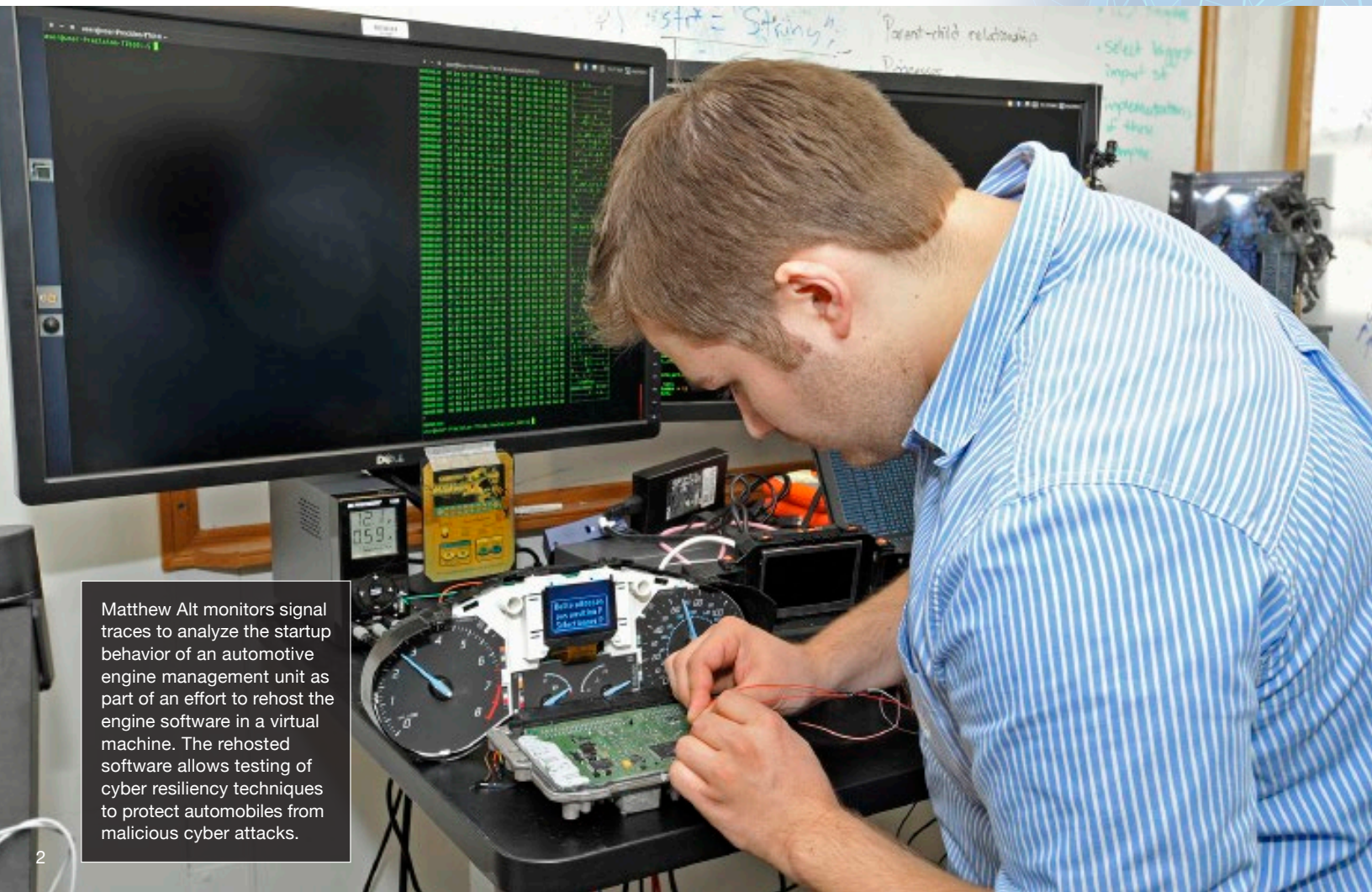
Alexia Schulz
PhD, Physics, 2007
Harvard University

"Working at Lincoln Laboratory means exciting technical challenges every day, incredibly smart people, and an atmosphere that forces me to learn and grow as an engineer and scientist. At the end of the day, I know that I'm not just building widgets – I am making a real impact on problems that actually matter."

Patrick Hulin
BS, Mathematics and Computer Science, 2014
Massachusetts Institute of Technology

TECHNOLOGY

Lincoln Laboratory engages in a wide variety of research and development for cyber security and information sciences. From development and prototyping through transition into operations, Lincoln Laboratory researchers are tackling challenging problems to advance state-of-the-art systems and technologies.

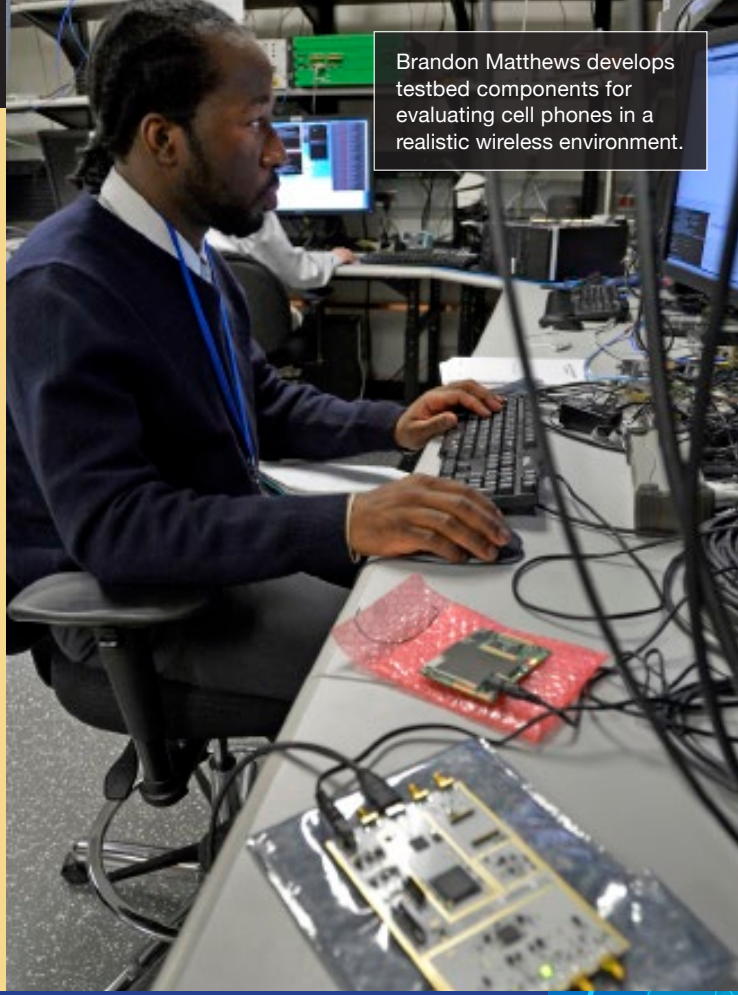


Matthew Alt monitors signal traces to analyze the startup behavior of an automotive engine management unit as part of an effort to rehost the engine software in a virtual machine. The rehosted software allows testing of cyber resiliency techniques to protect automobiles from malicious cyber attacks.

The Cyber Security and Information Sciences Division performs R&D in the areas of

- Intrusion detection and prevention
- Cloud security
- System exploitation
- Cryptography
- Metrics and measurement
- Big data analytics
- Social network analysis
- Human language technology
- Visual analytics
- Data sensing and fusion
- Human-machine interaction
- High-performance secure computing

Resilient Systems



Brandon Matthews develops testbed components for evaluating cell phones in a realistic wireless environment.

Director Eric Evans and Jeremy Kepner, with the LLGrid team, cut the ribbon to inaugurate the newly deployed EcoPod, which houses Lincoln Laboratory's "green" SuperCloud research supercomputer.

IMPACT

Lincoln Laboratory researchers don't just sit behind desks, and the technology we develop doesn't just sit on a shelf. From pioneering research to leveraging the best ideas, we solve problems in the most relevant and difficult technical areas of national security.

United States Cyber Command personnel from across the country participate in a series of cyber defense training exercises hosted by Lincoln Laboratory.

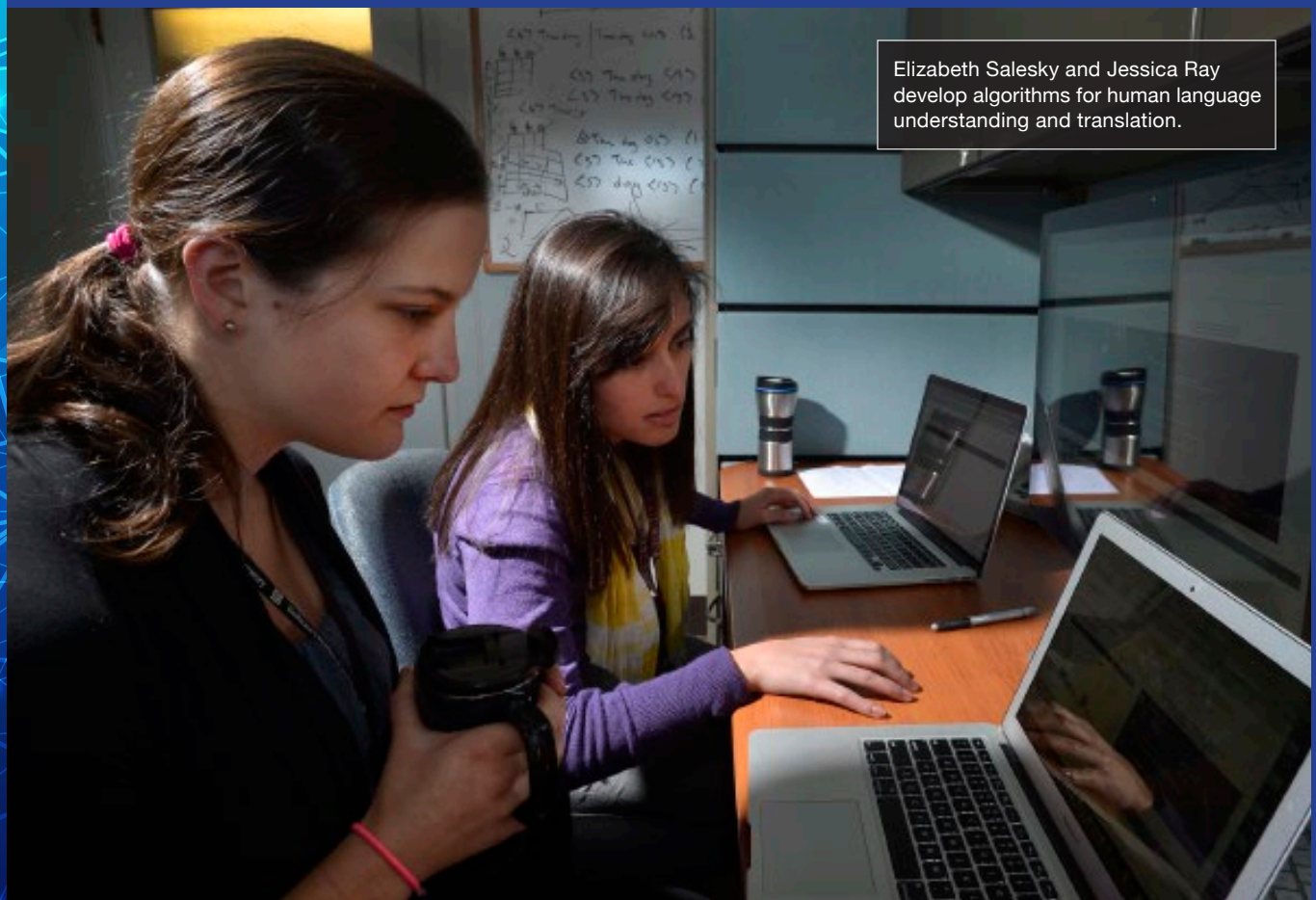
Daniel Souza demonstrates real-time cyber and radio-frequency data feeds into augmented-reality glasses.

Diane Staheli and Rick Larkin test advanced technology prototypes for U.S. Southern Command.

PEOPLE

Lincoln Laboratory's Cyber Security and Information Sciences Division is committed to technical excellence through the people it hires. Fostering an inclusive workplace helps ensure that the division maintains an excellent, diverse staff, thereby strengthening its ability to develop innovative solutions to problems.

- 300 people
- Best paper awards
- R&D 100 awards
- Technical excellence awards
- Patents
- Academic collaborations with numerous universities
- IEEE/ACM fellows



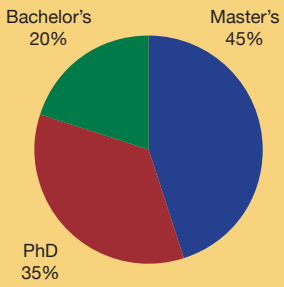
Elizabeth Salesky and Jessica Ray develop algorithms for human language understanding and translation.

Kara Greenfield explores extracted information using VizLinc, a Lincoln Laboratory-developed open-source software system that integrates information extraction, search, graphical analysis, and geolocation.

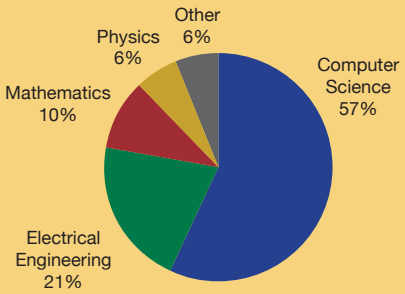
Authors display their cover article of the March 2014 issue of *IEEE Security & Privacy* magazine.

STAFF ACADEMIC PROFILE

Degrees



Disciplines



MIT LL CTF
learn | hack | win

Lincoln Laboratory Cyber Capture the Flag event for local universities.

Beaver Works is an incubator for research and innovation. This hands-on laboratory is a joint venture between Lincoln Laboratory and the MIT School of Engineering.

How to Apply

APPLY FOR AN ON-CAMPUS INTERVIEW

Please visit your career center's online recruiting system AND the Laboratory's website: www.ll.mit.edu/college/oncampus.html

SEARCH JOB LISTINGS

http://www.ll.mit.edu/employment/

Due to the unique nature of our work, we require U.S. citizenship.

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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MIT Lincoln Laboratory's fundamental mission is to apply science and advanced technology to critical problems of national security. As an Equal Opportunity Employer, we are committed to realizing our vision of diversity and inclusion in every aspect of our enterprise.

Diversity & Inclusion
MIT Lincoln Laboratory

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