



DREXEL UNIVERSITY

Isaac L. Auerbach Cybersecurity Institute

April 2017 Newsletter

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Spotlight



**Professor
Spiros
Mancoridis**
*Distinguished
Professor of
Computer Science,
Technical Fellow of
the Isaac L.
Auerbach
Cybersecurity*

Institute

Professor Spiros Mancoridis is a Distinguished Professor in the Computer Science Department at Drexel and Technical Fellow of the Isaac L. Auerbach Cybersecurity Institute. He teaches both undergraduate and graduate students, and conducts researches on software engineering, software security, code analysis, and evolutionary computation. He received his PhD on Computer Science from the University of Toronto in 1996 and he joined Drexel University in the same year. Professor Mancoridis has technical expertise in autonomic computing, software design and architecture, reverse engineering, software clustering, software visualization, software security, genetic algorithms, and software engineering education. He is a member of the IEEE (Senior Member), ACM, and SIGSOFT.

Institute News

Isaac L. Auerbach Cybersecurity Institute Endowment



DREXEL UNIVERSITY
Isaac L. Auerbach
Cybersecurity Institute

The Isaac L. Auerbach Cybersecurity Institute received a generous \$3 million naming gift from the Isaac and Carol Auerbach Family Foundation in April 2016. The gift will allow the Institute to continue to expand our cybersecurity educational programs and extend the breadth and depth of cybersecurity research. Our deepest appreciation to the Isaac and Carol Auerbach Family Foundation for their generosity.

- [Drexel's Cybersecurity Institute Receives \\$3 Million Naming Gift](#)

Drexel University

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[Click to see Professor Spiros Mancoridis profile](#)

Seeking Cyber Student



Join CyberDragons

- Knowledge and hands-on experience on cybersecurity topics
- Preparation for National Collegiate Cybersecurity Defense Competition
- Meeting for Spring term:
 - Tuesday: 17:00 - 18:00
 - Wednesday: 17:00 - 19:00
 - Location: Bossone 207

Email CyberDragons Student President

Colbert Zhu with questions about how to get involved at colbert.zhu@gmail.com

[Click Here to Join!](#)

Drexel Women in Computing Society (WiCS)



Drexel's Women in Computing Society's (WiCS) purpose is to support, recruit, and retain women pursuing a degree in the broad field of computing. As a recognized student organization at Drexel University, WiCS is open to current undergraduate and graduate students of all genders, majors, and backgrounds.

[Click here to learn more about the Drexel Women in Computing Society \(WiCS\)](#)

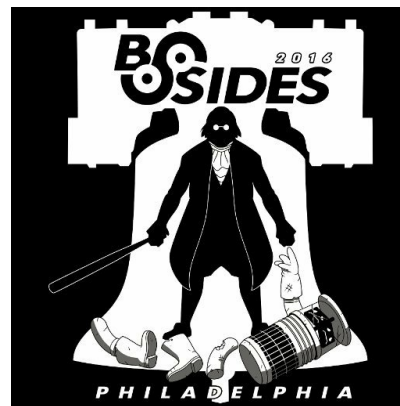
The Master of Science (MS) Degree in Cybersecurity at Drexel's College of Engineering

Recertified as an NSA Center of Academic Excellence (CAE)

The Isaac L. Auerbach Cybersecurity Institute led the development and submission of the recertification application to the Center of Academic Excellence (CAE) program run by the National Security Agency (NSA) and the Department of Homeland Security (DHS). We received notification in March 2017 that our application has been approved, certifying Drexel as an NSA-CAE in Cyber Defense for the next four years.

CAE certification affirms Drexel's Computer Security Technology (CST) program to meet the NSA's high standard for excellence in cybersecurity education. The Institute will represent Drexel at the NSA's CAE Principal's Meeting in Huntsville, AL in June 2017, at which time Drexel's recertification will be officially recognized.

Philly BSides Conference 2016



<https://www.bsidesphilly.org/>

The BSides Philadelphia is an Information Security conference by information security community members. The conference was held at Drexel University on December 2nd and 3rd 2016. The meeting included speakers, demonstrations, and lectures related to numerous topics in cybersecurity. Small career opportunities and networking sessions were also provided throughout the conference.

The MS in Cybersecurity is an interdisciplinary program that prepares students with both the academic and practical training to be competitive in the ever-changing technical landscape of cybersecurity.

[Click here to view required courses and to learn more about the graduate co-op program](#)

Q & A: How Can Higher Education Catch Up With the Demand For Cybersecurity Pros?

Since the inception of the Drexel CyberDragons team in summer 2016, the team has been actively training to participate in the National Collegiate Cyber Defense Competition (CCDC). Chuck Ludwig and members of his security team at Susquehanna International Group (SIG), have been providing world-class training for this competition. In February, the team scored in the top eight teams of the virtual qualifier for the mid-Atlantic region, leading to an invitation to participate in the mid-Atlantic regional finals in April at the Johns Hopkins University Applied Physics Laboratory near Baltimore, MD, where they scored fourth out of eight.

The news articles below discuss the team's MACCDC experience.

- [Read more on the Drexel blog](#)
- [Read about MACCDC Qualifier story](#)
- [Read an interview from DrexelNow](#)

Drexel Isaac L. Auerbach Cybersecurity Institute Has a New Website!

[Click here to check it out](#)

Cybersecurity Institute Faculty in News

Secure Your Accounts by Changing Simple Settings



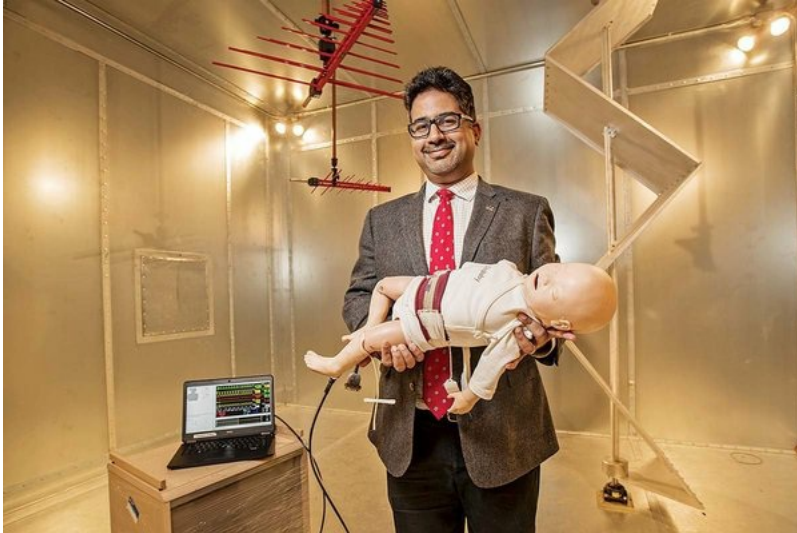
An anonymous hacker advised President Trump on the security of his twitter account. Dr. Rob D'Ovidio, who is an Associate Professor in the Criminal Justice Program and a Faculty Affiliate of The Isaac L. Auerbach Cybersecurity Institute at Drexel University, agreed with the hacker's message. Breaching accounts for social media sites like Facebook and Twitter is not something ordinary people would do, but it can be done easily. For instance, when you

login to Facebook, it automatically recognizes you, even if you forgot your password. If the user clicks the picture or clicks "forgot the password", one can easily reset the password and log-in.

Dr. Rob D'Ovidio emphasized that hardening the account's security is not just for someone special like the President, but also for everyone.

[Click to read the original article.](#)

Is Wearable Technology in Health Care Secure Enough?



It is not hard to find someone who has wearable technology like Fitbits, Apple watches, and more. To meet the wearable technology needs of the younger generation, The Drexel Wireless Systems Laboratory is developing a smart onesie for babies. This onesie can keep track of babies'

conditions and alert parents if they stop breathing. The director of the lab is Kapil R. Dandekar who is also a professor of Electrical and Computer Engineering at Drexel.

Medical technology like smart onesies can provide a lot of useful data for the health care industry. However, hospitals and healthcare centers are hesitant to implement them due to potential security issues. It is yet unclear how the collected data can be used when they are breached. Integrating enormous data is also a problem yet to be solved. Since we are living in the "Big Data Era," it is important to manage data in the right way.

[Click here to read original article](#)

6 Tips For Cleaning Up Your Cyber Hygiene

All internet users are inevitably vulnerable on online. But many people ignore the unseen risks. The first step to reduce the vulnerabilities is recognizing them. There are 6 easy and simple ways to practice 'cyber hygiene.' The one thing internet users must remember is to avoid suspicious things on online. These 6 tips can be practiced by those who do not know much about cybersecurity.

[Click to read more](#)

Drexel Women In Cybersecurity

Supriya Mahadeva Gowda

Masters in Cybersecurity in Drexel University

Supriya is a graduate student at Drexel in the Masters in Cybersecurity degree program. She also works as a Teaching Assistant in the Drexel Physics Department. She finished her undergraduate degree in Electronics and Communication Engineering. She has a good understanding of hardware and embedded systems with networking, security, and web development.



She will finish her Master's Degree in Cyber Security in June 2017. She is a member of the Drexel CyberDragons student group. She was one of the team members to compete in the Mid-Atlantic Collegiate Cyber Defense Competition (MACCDC). Her major responsibilities at the competition included Windows Administration with injects, hardening, configuration, System Center Configuration Manager (SCCM), Internet Information Services (IIS), exchange, authentication, firewall, and incident response.

[Click here to learn more about Supriya Mahadeva Gowda](#)

Cybersecurity News

Thinking About a Degree Related to Cybersecurity?



Drexel University was listed on the Military Times' 10 Best Cybersecurity Program List and placed 3rd. The ranking was based on several areas like ABET accreditation and NSA recognition. Moreover, Drexel University recently received a grant from the U.S. Army Reserves and the NSA to increase its course offerings and facilities for Cybersecurity education. This grant is given to Drexel University in the hopes of attracting more military based students in the Cybersecurity area.

[10 schools top new ranking of best Cybersecurity programs](#)

DREXEL ISAAC L. AUERBACH CYBERSECURITY INSTITUTE

Director: Steven Weber, PhD

For more information about the Drexel Isaac L. Auerbach Cybersecurity Institute, please email cybersecurity@drexel.edu

