

Scholarships



National Science Foundation

The National Science Foundation has endowed the Florida State University Information Security program with funding for 10 to 15 awards per year. Scholarship recipients shall pursue academic programs in information assurance for the final two years of undergraduate study, or for two years of master's-level study, or for the final two years of Ph.D.-level study. These students will participate as a cohort during two years of study and activities, including a summer internship in a federal agency at the end of their first year of support. The recipients of the scholarships will become part of the Federal Cyber Service of Information Assurance Professionals whose responsibility is to ensure the protection of the United States Government's information infrastructure. Upon graduation after their two-year scholarships, recipients will work for a federal agency for two years in fulfillment of their Federal Cyber Service commitment. The scholarships provide academic year stipends of \$8,000 per year for undergraduate students and \$12,000 per year for graduate students.

Scholarship Benefits:

- A housing stipend, in addition to the cost of tuition, fees, books, lab expenses, supplies and equipment, the student will be awarded with a stipend of \$12,000 for graduate and \$8,000 for undergraduate students.
- Research projects, related to large externally funded projects, will be assigned to students. These students may also receive additional funding throughout the academic year.
- Internships and job opportunities with the world's leading security organization.



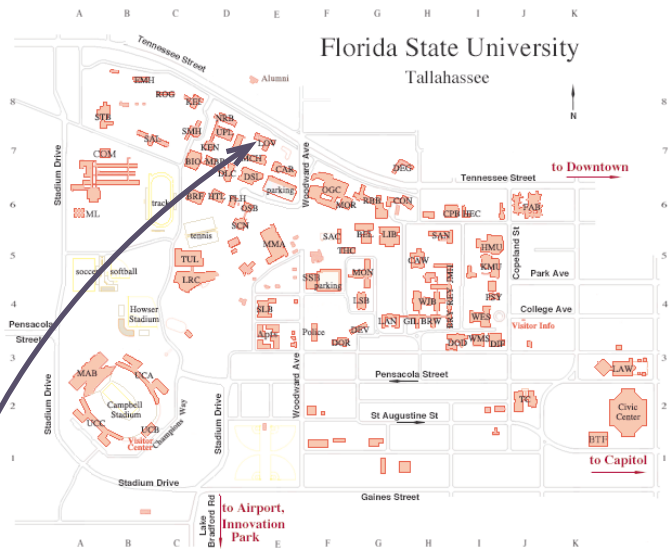
U.S. Department Of Defense

The Department of Defense Information Assurance Education and Training Scholarship Program is targeted at rising junior and senior undergraduate students and graduate students who are looking for a full-ride scholarship. Upon receipt of the scholarship, the "Information Assurance Scholar" is required to engage in an internship with the Department of Defense during breaks in the academic schedule of the Scholar. The Scholar, on completion of the program, is also offered a full time position in the Department of Defense or one of its agencies. Each student in the program will be supported for up to two years with benefits each year.

Scholarship Benefits:

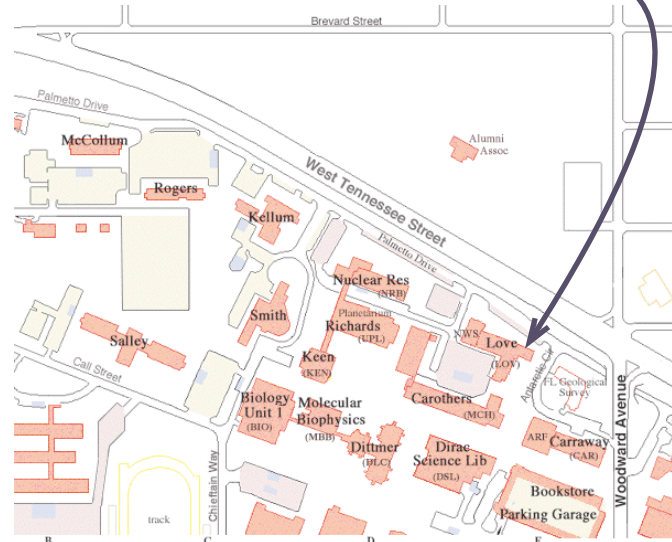
- A stipend, in addition to the cost of tuition, fees, books, lab expenses, supplies and equipment, the student will be awarded with a stipend of \$15,000 for graduate students and \$10,000 for undergraduate students.
- Research projects, related to large externally funded projects, will be assigned to students. These students may also receive additional funding throughout the academic year.
- Internships and job opportunities with the world's leading security organization.

For more information on these and other scholarships, please see our website at <http://www.sait.fsu.edu/>



- Building
- Faculty/Staff Parking
- Handicapped Parking
- Visitor Parking
- Student Parking

James Jay Love Building



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Information Security Summer School

MAY 3-5

Florida State University

Schedule of Events



Tuesday, May 3rd

8:00am~9:00am	Breakfast
Coffee, juice, and pasteries in room 151 of the Love building.	
9:00am~11:00am	Pairing-Based Cryptography
Antoine Joux will give an introductory survey on the use of elliptic curve pairings in cryptography, including applications and security.	
11:00am~12:00pm	Keynote
Antoine Joux will present recent advances in the field of iterated hash functions. This includes generic results, which apply to all such functions, and specific advances on SHA and MD families.	
12:00pm~1:00pm	Lunch Break
1:00pm~3:00pm	Tamper-Proof Software
Alec Yasinsac will discuss methods of obfuscating software intent in order to prevent or deter programs from being reverse-engineered.	
3:00pm~5:00pm	NSA Presentations
Representatives from the NSA will discuss the hiring process and career tracks for new interns and employees.	
5:00pm~7:00pm	Career Fair
Conference participants are invited to spend this time sharing and showcasing in room 151 of the Love building. Several sponsors and industry organizations will be present to meet attendees.	

Wednesday, May 4th

8:00am~9:00am	Breakfast
Coffee, juice, and pasteries in room 151 of the Love building.	
9:00am~11:00am	Legal and Ethical Issues
Jim Davis will analyze the legal and ethical issues surrounding information security, including the questions raised by heightened connectivity and the legal implications of free data transmission.	
11:00am~12:00pm	Keynote
Jim Davis will discuss some recognized research problems in the field of Information Security and how these will affect the future of the field.	
12:00pm~1:00pm	Lunch Break
1:00pm~2:30pm	What Is In A Name?
Dr. Breno de Medeiros will be speaking about identity-based encryption. It opens the door to intriguing possibilities for private communications.	
3:00pm~4:00pm	FAMU Presentations
Deidre Evans and Ed Jones will present from FAMU's Computer Science department.	
4:00pm~5:00pm	Closing Activities
5:00pm~7:00pm	Reception
A free catered reception will be held in room 151 of the Love building for conference attendees and speakers.	

Thursday, May 5th

8:00am~9:00am	Breakfast
Coffee, juice, and pasteries in room 151 of the Love building.	
9:00am~11:00am	Evolution of Adversary Models
Dr. Virgil Gligor will provide a brief overview of adversary models required by program and data sharing, computer communication and networking, and mobile ad-hoc and sensor network technologies.	
11:00am~12:00pm	Keynote
Dr. Virgil Gligor will deliver a keynote session on lightweight cryptography applications in practical working environments.	
12:00pm~1:00pm	Lunch Break
1:00pm~2:30pm	Group Key Exchange
Dr. Mike Burmester will speak about recent developments in group key exchange and the security of such protocols.	
3:00pm~3:30pm	Scholarship Presentations
Melody McGuire will provide information for students interested in the NSF or DoD scholarship programs. Come learn how you can qualify!	
3:30pm~4:00pm	SAIT Labs Tour
Melody McGuire will give a tour of the SAIT Labs to interested members.	
4:00pm~5:00pm	Farewell Discussions

Important Info

Website URL

<http://www.sait.fsu.edu/conferences/2005/is3/>

Audio/Video Recordings

Please note that video and audio recording devices are not permitted during the conference. Video and audio recordings may be made available by Florida State University after the conference dates. Please see the website for details on how to obtain copies of any official recordings.

Food & Drinks

Food and/or drinks are not permitted inside the lecture rooms. Please keep any food or drink in room 151 while in the Love building.

Parking

Please be aware that the Computer Science department will not be held liable for any parking tickets received while attending the conference. Please park legally by obtaining a parking permit from Melody McGuire or FSU Parking & Transportation Services if you must park on campus during the conference.

The Computer Science Department of Florida State University would like to thank all of the speakers and sponsors. Without their time and effort, this conference would never have been possible!

The mission of SAIT Labs is to serve as a focal point for members of different academic disciplines, government, and industry to carry out world-class research and to advance the practice and public awareness of information technology security and assurance through education and public service. SAIT Labs was established in response to Presidential Decision Directive 63, which calls for a comprehensive national effort to address the information security problem, including private-public partnerships, and increased education, training, research, and development.

Headed by the internationally renowned cryptographer Mike Burmester, SAIT Labs a wealth of knowledge in security and assurance. With existing projects in, for example, Information Hiding, Tracing and Watermarking, Intrusion Detection, Key Distribution, Key Escrow, Security Protocols, Survivable Computation, and Threshold Cryptography, the laboratories are on sound research footing. The added multi-disciplinary interactions with the FSU Departments of Mathematics, Information Management Systems, Communications, and Information Studies and the School of Criminology, the FAMU/FSU Department of Electrical Engineering, and the FSU Law School brings breadth in understanding of the technological and practical perspectives of information security in the Internet Age.



Dr. Mike Burmester joined the faculty at FSU as a Professor in 2001. Previously he was at Royal Holloway, London University. He got his bachelors from Athens University and his doctorate from Rome University. His current interests include privacy, network security, computer security and watermarking.

Dr. Breno de Medeiros joined the faculty of the Computer Science Department at Florida State University after completing a Ph.D. degree in Computer Science from The Johns Hopkins University (2004). His published research includes works on privacy-preserving protocols for medical transactions, group signatures schemes, identity-based cryptographic primitives with applications to e-auctions, and on distributed certified e-mail. Some of his current research interests are in the areas of public key cryptography, secret sharing schemes, and privacy-enhanced protocols and services.



Dr. Alec Yasinsac joined the faculty at FSU as an Assistant Professor in August 1999 after a twenty year career in the United States Marine Corps as a Data Systems and Communications Officer. His has operational experience in software development, information systems management, network engineering, and information security. Security protocol verification is the foundation of Alec's research interests. He has published papers on formal methods, cryptographic authentication, group encryption, secure routing protocols, wireless security, digital forensics, and on a variety of computing education topics.