

ECE 646 Project Presentations

Friday, December 9th, 2016

4:30 - 9:00 PM

Engineering Building Room 4201

Session I

Security of Cloud Services

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| 4:30 | – | 4:40 | Welcome & Rules of the Contest for the Best Project
<i>Jens-Peter Kaps</i> |
| 4:40 | – | 4:55 | Security Analysis of Personal Cloud Storage
<i>Mahesh Band, Cletus Menezes, Aniket Sheth</i> |
| 4:55 | – | 5:10 | Security Threats in Virtualization
<i>Hima Bindu Kovur</i> |
| 5:10 | – | 5:25 | Security of Video Chats
<i>Shaimaa Alkaabi, Aravind Sai Aniseti</i> |
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Refreshments

Session II

Attacks against Cryptosystems

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| 5:45 | – | 6:00 | Quantum vs. Psuedo-quantum Computing and its Implications for Cryptography
<i>Alec Jacuzzi, Philip Douglas, Ishea Myles</i> |
| 6:00 | – | 6:15 | A Discussion of Fault Injection Techniques for Cryptographic Devices
<i>Justin Ohneiser</i> |
| 6:15 | – | 6:30 | Survey of Clock Fault Injection Techniques and Equipment
<i>Kongdan Zhou</i> |
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Refreshments

Session III

Authenticated Encryption

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| 6:50 | – | 7:10 | Implementation and Analysis of AES-JAMBU on FPGAs
<i>Ramya Eluri</i> |
| 7:10 | – | 7:30 | Implementation and Comparison of SILC-LED with other Ciphers
<i>Samhita Kanagala</i> |
| 7:30 | – | 7:50 | Adaptation of Software Implementations of CAESAR Candidates to Run on Micro-controllers and Benchmark them Using XXBX
<i>Raghurama Velagala, Kinnera Chintamaneni, Clinton Dias, Ashish Sonaba Kokare, Vaibhav Chittampalli</i> |
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Refreshments

Session IV

Device Security

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| 8:10 | – | 8:25 | Secutiry of Wearable Devices
<i>Trong Le</i> |
| 8:25 | – | 8:40 | Security in Border Gateway Protocol
<i>Pranav Prakash Baitule</i> |
| 8:40 | – | 8:55 | Security of Vehicle-to-Vehicle Communication Networks
<i>Sai Karthik Abburu, Priyadarsini Pethanaraj</i> |
| 8:55 | – | 9:00 | Announcements & Closing Remarks |
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