***SEMINAR ANNOUNCEMENT***

**DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING**
**Faculty of Engineering**
Website: https://www.eng.nus.edu.sg/ece/

***Area: Communications & Networks***

***Host: Assoc Prof Bharadwaj Veeravalli***

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| **TOPIC** | **:** | **Homomorphic Encryption Schemes: Theory and Applications** |
| **SPEAKER** | **:** | **Mr Souhail Meftah**<br>**Graduate student, ECE Dept, NUS** |
| **DATE** | **:** | **16 March 2020, Monday** |
| **TIME** | **:** | **10am to 11am** |
| **VENUE** | **:** | **E4-04-04, Engineering Block E4, Faculty of Engineering, NUS** |


**ABSTRACT**

Legacy Encryption systems depend on managing a public/private key pair among the peers involved in exchanging an encrypted message. However, this approach poses privacy concerns. The users or service providers with the key have exclusive right on the data. Especially with cloud services, control over the privacy of sensitive data is lost. Homomorphic Encryption (HE) is a special kind of encryption that can address this concern as it enables any third party to operate on the encrypted data without the need to decrypt it. This seminar is intended to clear knowledge and foundation to researchers and practitioners interested in knowing, applying, and extending the state-of-the-art HE, PHE, SWHE and FHE systems.


BIOGRAPHY

Mr. Souhail Meftah received his BSc degree in Computer Science from Al Akhwayn University in 2016, he later received his MSc in Information Systems Security from that same university. He served as an R&D research consultant in Leyton UK for a year before joining NUS as a PhD student in Electrical and Computer Engineering. His research interests include Applied Cryptography, AI, Cloud Security and Intrusion Detection.

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