

Introduction & Overview

CX4062/SC3010

Dr Tay Kian Boon

Brief Bio

- Dr Tay Kian Boon, kianboon.tay@ntu.edu.sg
- **N4 02b-65, 67904615 (appt)**
- Specialty: **Math** & **Cryptography**
- Career
 - NUS Math faculty (6 years)
 - Senior Scientist (Crypto industry > 10 years)
 - Jan 2019 NTU SCSE faculty
- Table Tennis, Reading (Crypto, Math, Physics, Algorithms, Christian stuff)

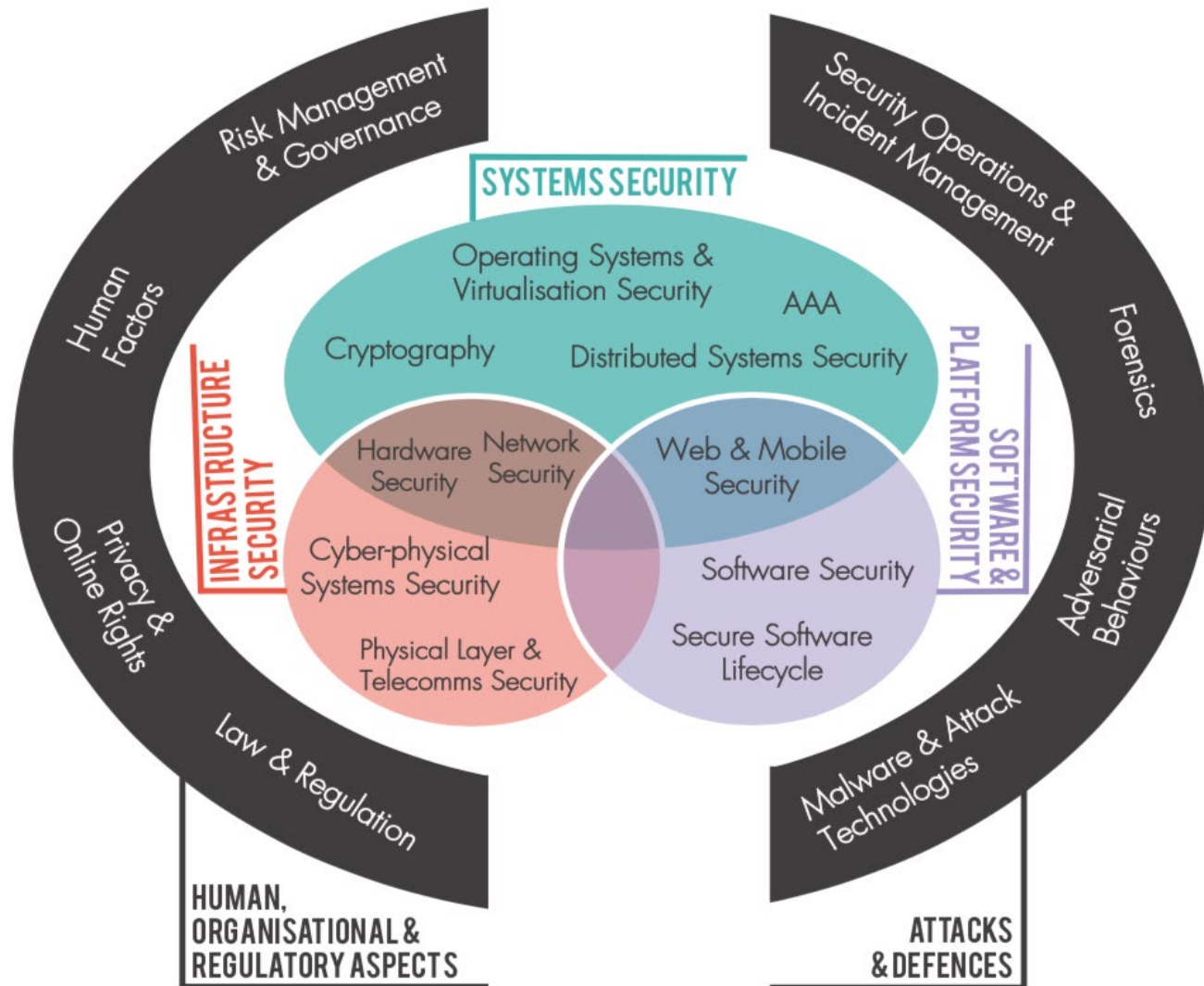
Outline

- I will be teaching you the next 6 weeks:
 - Singhealth cyberattack case study
 - Passwords & Authentication
 - Intro to Crypto Security
 - Intro to Mobile Device Security (if time permits)

Introduction To Computer Security

Secured
Against All
Attacks-
Possible?

Bird-Eye View Security



Securing Against Attacks-Possible?

- **THE ONLY WAY TO SECURE AGAINST ALL ATTACKS SUCCESSFULLY IS TO TURN OFF YOUR DEVICE!**

Why Security is Hard

- You have seen why computer security is hard – recall picture earlier!

Quiz & Presentation Date

- PT Students: 10 Apr Evening, TR3
- FT Students: 14 Apr 8:30-10:30 Quiz 2
- FT Students Presentations:
 - 17 & 18 apr (details later)