CYBER SECURITY COOPERATIVE RESEARCH CENTRE

CREST
Centre for Research on Engineering Software Technologies

THE UNIVERSITY of ADELAIDE

Data-Driven Technologies for Cyber Security: Opportunities, Challenges, and Solutions

Panel Moderator:
M. Ali Babar

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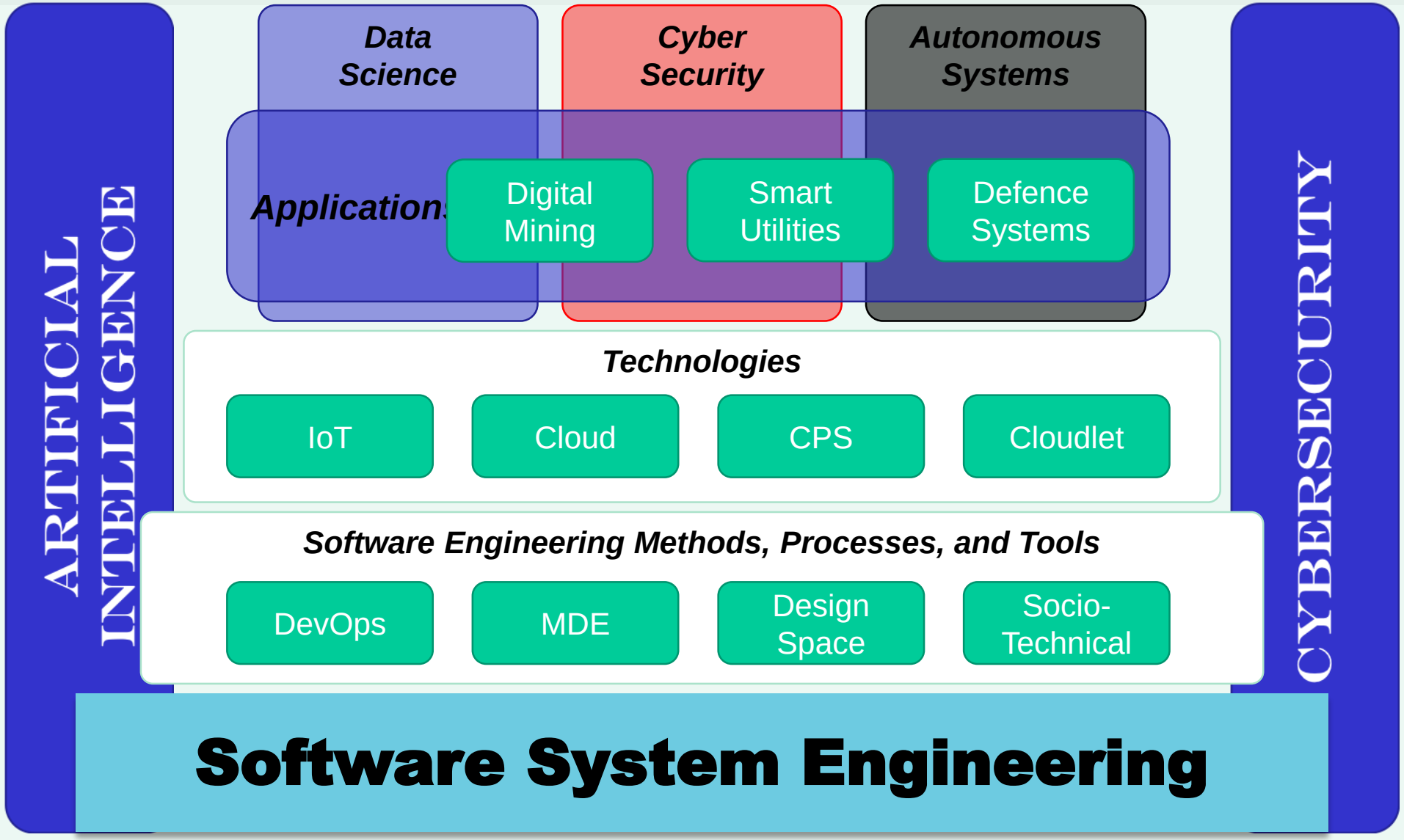
“Software Powers the World!” – Secure?

https://www.youtube.com/watch?time_continue=1&v=F01JmJGJ9n8

Data-Driven Security

Adaptive Software Services



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Data-Driven Approaches & Cyber Security

- Data and Cyber Security
  - Data is the key motivator of cyber security problems
  - Data-driven technologies become important for cyber security solutions
    - AI/ML are enabling most of the technological innovations for predicting, preventing, detecting, and responding to cyber vulnerabilities, threats, and attacks.
- The panel focuses on
  - The data-driven nature of the cybersecurity threats and solutions
  - The challenges of identifying and leveraging the full potential of Data-driven technologies for cybersecurity
  - The current and envisioned applications of AI/ML for building resilience against the cybersecurity threats, vulnerabilities, and attacks.

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The Panel

- Dr Jackie Craig, Independent Consultant
- Prof. Vallipuram Muthukkumarasamy, University of Griffith
- Prof. RK Shyamasundar from IIT-Bombay
- Prof. Anton Van Den Hengel – Australian Institute for Machine Learning

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THANKS FOR YOUR ATTENTION!

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