WORKSHOP APPLICATION FOR
ESORICS 2020

MSTEC: 2nd Model-driven Simulation and Training Environments for Cybersecurity

Thursday, 17th September 2020

09:00 – 09:15
Welcome
Workshop chairs

09:15 – 10:15
SESSION 1: Cyber Security Training Modelling
- Cyber Taxi: A Taxonomy of Interactive Cyber Training and Education Systems
  Abstract video link: https://youtu.be/Q9PhPGSHa8U
  Marcus Knupfer, Tore Bierwirth, Lars Stiemert, Matthias Schopp, Sebastian Seeber, Daniela Pohn, and Peter Hillmann
- Cyber Range Training Programme Specification through Cyber Threat and Training Preparation Models
  Abstract video link: https://www.youtube.com/watch?v=7h2mwfDoeJo&feature=youtu.be
  Michail Smyrlis, Konstantinos Fysarakis, George Spanoudakis, and George Hatzivasilis

10:15 – 11:15
SESSION 2: Serious Games
- A Pond Full of Phishing Games - Analysis of Learning Games for Anti-Phishing Education
  Abstract video link: https://www.youtube.com/watch?v=B3P6WBcoVcM
  Rene Roepke, Klemens Koehler, Vincent Drury, Ulrik Schroeder, Martin R. Wolf, and Ulrike Meyer
- Conceptualization of a CyberSecurity Awareness Quiz
  Abstract video link: https://youtu.be/FbtNlqAjwKw
  Sebastian Pape, Ludger Goeke, Alejandro Quintanar, and Kristian Beckers

11:15 – 12:15
SESSION 3: Emulation & Simulation Studies
- Towards the Monitoring and Evaluation of Trainees' Activities in Cyber Ranges
  Abstract video link: https://youtu.be/zu_wIzJ7IxE
  Chiara Braghin, Stelvio Cimato, Ernesto Damiani, Fulvio Frati, Elvinia Riccobene, and Sadegh Astaneh
- Automatically protecting network communities by systematically analysing the simulation results from malware epidemiological models
  Abstract video link: https://youtu.be/Iz1Jo7IWCOo

Xiao-Si Wang, Jessica Welding, and Tek Kan Chung

12:15 – 12:30
Panel

12:30 – 13:30
Break

13:30 – 14:30
SESSION 4: Attacks
- Chasing Botnets: A Real Security Incident Investigation
  Abstract video link: https://youtu.be/4ZprVe9OdxE
  Martin Kunc and George Hatzivasilis
- Software System Exploration using Library Call Analysis
  Abstract video link: https://youtu.be/qCB8YzcX-vI
  Marinos Tsantekidis and Vassilis Prevelakis

14:30 – 15:30
SESSION 5: Security Policies
- A pattern–driven adaptation in IoT orchestrations to guarantee SPDI properties
  Abstract video link: https://youtu.be/Qe-25s9PC4M
  Manos Papoutsakis, Konstantinos Fysarakis, Emmanouil Michalodimitrakis, Eftychia Lakka, Nikolaos Petroulakis, George Spanoudakis, and Sotiris Ioannidis
- Password Management: How Secure Is Your Login Process?
  Abstract video link: https://youtu.be/H_8LLJEosRw
  George Hatzivasilis

15:30 – 15:45
Panel

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