

Summer School

Current Challenges in Energy: Cybersecurity, Privacy & Policy Interventions (CPPI)

3 - 7 July 2023, Kozani, Greece

Mon 3/7

09:45 – 10:00

Registration

10:00 – 11:00

Cybersecurity & Privacy in Energy Ecosystems

Panagiotis Sariigiannidis

11:00 – 12:00

Challenges & Threats in the Energy Domain

Athanasios Liatifis

12:00 – 13:00

Using Python for AI

Dimitrios Pliatsios

13:00 – 14:00

Southbound Interfaces & OpenFlow

Athanasios Liatifis

14:00 – 15:00

Light Lunch

15:00 – 17:00

Lab1: SDN-enabled Cybersecurity Techniques

Athanasios Liatifis

Tue 4/7

09:45 – 10:00

Welcome & Introduction

10:00 – 11:00

Behavioural Insights & Policies Design (I)

Michael Price

11:00 – 12:00

Behavioural Insights & Policies Design (II)

Michael Price

12:00 – 13:00

Investigating Behavioural Biases in Energy Consumption

Michael Price

13:00 – 14:00

Serious Game Nudge for Energy Awareness

Ioannis Pragidis

14:00 – 15:00

Light Lunch

15:00 – 17:00

Playing EVIDENT Serious Game

Ioannis Pragidis

Wed 5/7

09:45 – 10:00

Welcome & Introduction

10:00 – 11:00

Next-Generation IoT & Intrusion Detection

Thomas Lagkas

11:00 – 12:00

The Need of Privacy in Critical Infrastructure

Anna Triantafyllou

12:00 – 13:00

Advanced Python for Supporting Federated AI

Ilias Siniosoglou

13:00 – 14:00

Federated Privacy by Design Environments

Ilias Siniosoglou

14:00 – 15:00

Light Lunch

15:00 – 17:00

Lab2: Federated Learning Model Constructions

Ilias Siniosoglou

Thu 6/7

09:45 – 10:00

Welcome & Introduction

10:00 – 11:00

Attacking AI: The pathway to success

Nick Pitropakis

11:00 – 12:00

Risk Management in Electrical and Power Systems

Panagiotis Radoglou-Grammatikis

12:00 – 13:00

Digital Twins in Energy

Panagiotis Radoglou-Grammatikis

13:00 – 14:00

Blockchain Solutions for Energy Trading

Nick Pitropakis

14:00 – 15:00

Light Lunch

15:00 – 17:00

Lab3: HoneyPot Strategy & Deployment

Panagiotis Radoglou-Grammatikis

Fri 7/7

09:45 – 10:00

Welcome & Introduction

10:00 – 11:00

Reconfigurable Intelligent Surfaces for Wireless Communications (I)

Marco Di Renzo

11:00 – 12:00

Reconfigurable Intelligent Surfaces for Wireless Communications (II)

Marco Di Renzo

12:00 – 13:00

NG-IoT & 5G & Beyond Security Challenges

Dimitrios Pliatsios

13:00 – 14:00

Microarchitectural DoS Attacks in COTS Multicore Platforms

Daniel Casini

14:00 – 15:00

Light Lunch

15:00 – 17:00

Evaluation



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