

Athena room (main conference)
Nafsika and Nefeli rooms (workshops)

2021 IEEE International Conference on Cyber Security and Resilience

Legend: 2021 IEEE CSR Workshop on...

- Actionable Cyber Threat Intelligence (ACTI)
- Cyber Resilience and Economics (CRE)
- Cyber Ranges and Security Training (CRST)
- Data Science for Cyber Security (DS4CS)
- Electrical Power and Energy Systems Security, Privacy and Resilience (EPES-SPR)
- Maritime Cyber Security (MCS)
- Resilient Artificial Intelligence (RAI)

Monday 26th of July

08:40–09:00 Welcome from the chairs WL

CET Stavros Shiaeles, Nicholas Kolokotronis, Emanuele Bellini
Room: Athena

09:00–10:00 Plenary session PL1

CET Chair: Emanuele Bellini, University of Campania Vanvitelli (IT)
Room: Athena

Invited talk: Israel national and organisational cyber resiliency strategy and policy
Isaac Ben Israel

10:00–11:20 Technical session CSR1

CET Chair: Francesco Flammini, Mälardalen University (SE)
Room: Athena

- 10:00–10:20 [Anomaly based resilient network intrusion detection using inferential autoencoders](#)
A. Hannan, C. Gruhl, and B. Sick
- 10:20–10:40 [Act proactively: An intrusion prediction approach for cyber security](#)
P. Panagiotidis, C. Angelidis, I. Karalis, G. Spyropoulos, and A. Liapis
- 10:40–11:00 [A stream clustering algorithm for classifying network IDS alerts](#)
R. Vaarandi
- 11:00–11:20 [Statistical metamorphic testing of neural network based intrusion detection systems](#)
F. Rehman and C. Izurieta

10:00–11:20 Keynote session WS-DS4CS1

CET Chair: Christos Tryfonopoulos, University of Peloponnese (GR)
Room: Nafsika

- 10:00–10:20 [Welcome from the DS4CS workshop chairs](#)
C. Tryfonopoulos, S. Skiadopoulos, and S. Idreos
- 10:20–11:00 **Invited talk:** [Cyber threat intelligence/botnet profiling](#)
Angelos K. Marnerides, University of Glasgow (UK)

10:00–11:20 Technical session WS-CRST1

CET Chair: Konstantina-Eleni Davri, Center for Security Studies (GR)

Room: Nefeli

- 10:00–10:20 [The current SOTA and future of European cyber range ecosystem](#)
C. Virag, T. Lieskovan, J. Čegan, and M. Merialdo
- 10:20–10:40 [Frankenstack: Real-time cyberattack detection and feedback system for technical cyber exercises](#)
M. Pihelgas and M. Kont
- 10:40–11:00 [ECHO federated cyber range: Towards next-generation scalable cyber ranges](#)
N. Oikonomou, N. Mengidis, M. Spanopoulos – Karalexidis, A. Voulgaridis, M. Merialdo, I. Raisr, K. Hanson, P. de La Vallee, T. Tsikrika, S. Vrochidis, and K. Votis
- 11:00–11:20 [The Cyber-MAR project: First results and perspectives on the use of hybrid cyber ranges for port cyber risk assessment](#)
O. Jacq, P. Giménez Salar, K. Parasuraman, J. Kuusijärvi, A. Gkaniatsou, E. Latsa, and A. Amditis

11:20–11:40 Coffee break

CET

11.40–13:00 Technical session CSR2

CET Chair: Stefano Marrone, University of Campania Vanvitelli (IT)

Room: Athena

- 11.40–12:00 [Detecting SQL injection web attacks using ensemble learners and data sampling](#)
R. Zuech, J. Hancock, and T. Khoshgoftaar
- 12.00–12:20 [SK-Tree: A systematic malware detection algorithm on streaming trees via the signature kernel](#)
C. Salvi, T. Lyons, M. Lemercier, T. Cochrane, V. Chhabra, and P. Foster
- 12.20–12:40 [Software vulnerabilities, products and exploits: A statistical relational learning approach](#)
C. Figueiredo, J. G. Lopes, R. Azevedo, G. Zaverucha, D. S. Menasche, and L. Aguiar
- 12.40–13:00 [Rapid ransomware detection through side channel exploitation](#)
M. Taylor, E. Larson, and M. Thornton

11.40–13:00 Technical session WS-DS4CS2

CET Chair: Spiros Skiadopoulos, University of Peloponnese (GR)

Room: Nafsika

- 11.40–12:00 [Social media monitoring for IoT cyber-threats](#)
S. Alevizopoulou, P. Koloveas, C. Tryfonopoulos, and P. Raftopoulou
- 12.00–12:20 [Data exfiltration: Methods and detection countermeasures](#)
J. King, G. Bendiab, N. Savage, and S. Shiaeles
- 12.20–12:40 [Detecting adversarial DDoS attacks in software-defined networking using deep learning techniques and adversarial training](#)
B. Nugraha, N. Kulkarni, and A. Gopikrishnan

11.40–13:00 Technical session WS-CRST2

CET Chair: Angelos Amditis, Institute of Communication and Computer Systems (GR)

Room: Nefeli

- 11.40–12:00 [The SPIDER cyber security investment component \(CIC\)](#)
M. Tsiodra, M. Chronopoulos, M. Ghering, E. Karapistoli, N. Gerosavva, and N. Kyllilis
- 12.00–12:20 [The THREAT-ARREST cyber ranges platform](#)
G. Hatzivasilis, S. Ioannidis, M. Smyrlis, G. Spanoudakis, F. Frati, C. Braghin, E. Damiani, H. Koshutanski, G. Tsakirakis, T. Hildebrandt, L. Goeke, S. Pape, O. Blinder, M. Vinov, G. Leftheriotis, M. Kunc, F. Oikonomou, G. Magilo, V. Petrarolo, A. Chieti, and R. Bordianu

12.20–12:40 [Cyber security certification programmes](#)
E.-C. Davri, E. Darra, I. Monogioudis, A. Grigoriadis, C. Iliou, N. Mengidis, T. Tsikrika, S. Vrochidis, A. Peratikou, H. Gibson, D. Haskovic, D. Kavallieros, E. Chaskos, P. Zhao, S. Shiaeles, N. Savage, B. Akhgar, X. Bellekens, and M. Amine Ben Farah

13:00–14:00 Lunch break
CET

14:00–15:20 Technical session CSR3

CET Chair: Nicholas Kolokotronis, University of the Peloponnese (GR)

Room: Athena

14:00–14:20 [Reinforcement learning-driven attack on road traffic signal controllers](#)
N. Seifollahpour Arabi, T. Halabi, and M. Zulkernine

14:20–14:40 [Resilient boot](#)
S. Ostrikov

14:40–15:00 [Cyber resilience for self-monitoring IoT devices](#)
M. Medwed, V. Nikov, J. Renes, T. Schneider, and N. Veshchikov

15:00–15:20 [Resilience learning through self adaptation in digital twins of human-cyber-physical systems](#)
E. Bellini, F. Bagnoli, M. Caporuscio, E. Damiani, F. Flammini, I. Linkov, P. Lio, and S. Marrone

14:00–15:20 Technical session WS-DS4CS3

CET Chair: Christos Tryfonopoulos, University of Peloponnese (GR)

Room: Nafsika

14:00–14:20 [Unveiling MIMETIC: Interpreting deep learning traffic classifiers via XAI techniques](#)
A. Nascita, A. Montieri, G. Aceto, D. Ciuonzo, V. Persico, and A. Pescape

14:20–14:40 [Detecting attacks on IoT devices using featureless 1D-CNN](#)
A. Khan and C. Cotton

14:40–15:00 [DAHID: Domain adaptive host-based intrusion detection](#)
O. Ajayi and A. Gangopadhyay

15:20–15:40 Coffee break
CET

15:40–17:20 Technical session CSR4

CET Chair: Stavros Shiaeles, University of Portsmouth (UK)

Room: Athena

15:40–16:00 [Machine learning on knowledge graphs for context-aware security monitoring](#)
J. Soler Garrido, D. Dold, and J. Frank

16:00–16:20 [SoK: Investigation of security and functional safety in industrial IoT](#)
E. Tomur, U. Gulen, E. Ustundağ Soykan, M. A. Ersoy, F. Karakoc, L. Karacay, and P. Comak

16:20–16:40 [Mc-PUF: memory-based and machine learning resilient strong PUF for device authentication in internet of things](#)
P. Williams, H. Idriss, and M. Bayoumi

16:40–17:00 [SoK: Autonomic cybersecurity – Securing future disruptive technologies](#)
C. Rouff, L. Watkins, R. Sterritt, and S. Hariri

17:00–17:20 [ERAMO: Effective remote attestation through memory offloading](#)
J. H. Ostergaard, E. Dushku, and N. Dragoni

15:40–17:20 Technical session WS-MCS1

CET Chair: Leandros Maglaras, De Montfort University (UK)

Room: Nefeli

- 15:40–16:00 [Advancing the state of maritime cybersecurity guidelines to improve the resilience of the maritime transportation system](#)
L. Drazovich, L. Brew, and S. Wetzel
- 16:00–16:20 [The impact of COVID-19 on the security and resilience of the maritime transportation system](#)
L. Brew, L. Drazovich, and S. Wetzel
- 16:20–16:40 [Impact assessment of anomaly propagation in a naval water distribution cyber-physical system](#)
N. Pelissero, P. Merino Laso, and J. Puentes
- 16:40–17:00 [A backwards compatible approach to authenticate automatic identification system messages](#)
M. Struck and J. Stoppe
- 17:00–17:20 [Quantum cryptography in maritime telecommunications](#)
M. Papathanasaki, P. Fountas, L. Maglaras, C. Douligeris, and M. A. Ferrag

17:20–17:40 Coffee break

CET

17:40–18:20 Panel discussion WS-MCS2

CET Chairs: Christos Douligeris, University of Piraeus (GR);

Despina Polemi, University of Piraeus (GR)

Room: Nefeli

Panel topic: [Future trends and perspectives in maritime communications](#)

Moderator: Despina Polemi, University of Piraeus (GR)

- Ravishankar Borgaonkar, SINTEF Digital (NO)
- Bruno Bender, Ventura (FR)
- Sofoklis Efremidis, Maggioli SpA (IT)
- Corinna Schmitt, Unibw (DE)

Tuesday 27th of July

09:00–10:00 Plenary session PL2

CET Chair: Nicholas Kolokotronis, University of the Peloponnese (GR)

Room: Athena

Invited talk: [Threat modelling for machine-learning systems](#)

Ernesto Damiani

10:00–11:20 Technical session CSR5

CET Chair: Nicholas Kolokotronis, University of the Peloponnese (GR)

Room: Athena

- 10:00–10:20 [ENAD: An ensemble framework for unsupervised network anomaly detection](#)
J. Liao, S. G. Teo, P. P. Kundu, and T. Truong-Huu
- 10:20–10:40 [Using deep packet inspection in cyber traffic analysis](#)
L. Deri and F. Fusco
- 10:40–11:00 [Towards anomaly detection in smart grids by combining complex events processing and SNMP objects](#)
M. L. Itria, E. Schiavone, and N. Nostro

11:00–11:20 [Clustering analysis of email malware campaigns](#)
R. Zhang, S. Wang, R. Burton, M. Hoang, J. Hu, and A. Nascimento

10:00–11:20 Technical session WS-CRE1

CET Chair: Nicholas J. Multari, Pacific Northwest National Lab (US)

Room: Nafsika

10:00–10:20 [Welcome from the CRE workshop chairs](#)
N. J. Multari and J. Picciotto

10:20–10:40 [Modelling cyber-risk in an economic perspective](#)
I. Bothos, V. Vlachos, D. Kyriazanos, I. Stamatiou, K. G. Thanos, P. Tzamalīs, S. Nikolettseas, and S. Thomopoulos

10:40–11:00 [Disposable identities; Enabling trust-by-design to build more sustainable data driven value](#)
J. Isohanni, K. M. Hermsen, L. Goulden, M. Ross, and J. Vanbockryck

11:00–11:20 [Influence pathways: Mapping the narratives and psychological effects of russian COVID-19 disinformation](#)
A. Hoyle, T. Powell, B. Cadet, and J. van de Kuijt

11:20–11:40 Coffee break

CET

11.40–13:00 Technical session CSR6

CET Chair: Emanuele Bellini, University of Campania Vanvitelli (IT)

Room: Athena

11.40–12:00 [Enabling efficient common criteria security evaluation for connected vehicles](#)
A. Stamou, P. Pantazopoulos, S. Haddad, and A. Amditis

12:00–12:20 [Analyzing cascading effects of spoofing attacks on ADS-B using a discrete model of air traffic control responses and AGMOD dynamics](#)
M. R. Kamaruzzaman, B. O. Sane, D. Fall, Y. Taenaka, and Y. Kadobayashi

12.20–12:40 [Towards HybridCAN, a hybrid bridged CAN platform for automotive \(security\) testing](#)
D. Granata, M. Rak, and G. Salzillo

12.40–13:00 [Securing an MQTT-based traffic light perception system for autonomous driving](#)
A.-A. Affia and R. Matulevicius

13:00–14:00 Lunch break

CET

14:00–15:00 Plenary session PL3

CET Chair: Stavros Shiaeles, University of Portsmouth (UK)

Room: Athena

Invited talk: [Actionable and interpretable AI \(AI²\) and resilience](#)
Igor Linkov

15:20–15:40 Coffee break

CET

15:40–17:20 Technical session CSR7

CET Chair: Gueltoum Bendiab, University of Portsmouth (UK)

Room: Athena

15:40–16:00 [Secure communication in smart meters using elliptic curve cryptography and digital signature algorithm](#)
S. Shukla, S. Thakur, and J. G. Breslin

- 16:00–16:20 [Enhancing medical data security on public cloud](#)
N. Santos, W. Younis, B. Ghita, and G. Masala
- 16:20–16:40 [Development of a testbed for fully homomorphic encryption solutions](#)
S. Marrone, A. Tortora, E. Bellini, A. Maione, and M. Raimondo
- 16:40–17:00 [On security of key derivation functions in password-based cryptography](#)
G. Kodwani, S. Arora, and P. Atrey

15:40–17:20 Keynote session WS-CRE2

CET Chair: Rosalie McQuaid, MITRE Corporation (US)

Room: Nafsika

- 15:40–16:10 **Invited talk:** [A process-based approach to cybersecurity certification](#)
Volkmar Lotz, SAP Security Research (FR)
- 16:10–16:40 **Invited talk:** [Adaptable cyber matrix in energy security hybrid threat analysis](#)
Gabriel Raicu, Constanta Maritime University (RO)
- 16:40–17:10 **Invited talk:** [Hybridized exercising of critical infrastructure cyber resilience](#)
George Sharkov, European Software Institute (BG)

17:20–18:20 Awards session AW

CET Chairs: Emanuele Bellini, University of Campania Vanvitelli (IT); Giancalro Fortino, University of Calabria (IT)

Room: Athena

18:20–20:00 Panel discussion WS-CRE3

CET Chair: Jeffrey Picciotto, MITRE Corporation (US);
Nicholas J. Multari, Pacific Northwest National Lab (US)

Room: Nafsika

- 18:20–18:50 **Invited talk:** [Cyber reflections, cyber projections](#)
Paul Nielsen, Carnegie Mellon University/Software Engineering Institute (US)
- 18:50–19:20 **Invited talk:** [On the resilience of command and control architectures for cyber defense](#)
Marco Carvalho, Florida Institute of Technology (US)
- 19:20–20:00 **Panel topic:** [The next step for cyber resilience](#)
Moderator: Nicholas J Multari, Pacific Northwest National Lab (US)
— Marco Carvalho, Florida Institute of Technology (US)
— Volkmar Lotz, SAP Security Research (FR)
— Paul Nielsen, Carnegie Mellon University/Software Engineering Institute (US)
— Gabriel Raicu, Constanta Maritime University (RO)
— George Sharkov, European Software Institute (BG)

Wednesday 28th of July

09:00–10:00 Plenary session PL4

CET Chair: Stavros Shiaeles, University of Portsmouth (UK)

Room: Athena

Invited talk: [Recognising knowledge and skills for cyber security and resilience](#)
Steve Furnell

10:00–11:20 Technical session CSR8

CET Chair: Bogdan Ghita, University of Plymouth (UK)

Room: Athena

- 10:00–10:20 [Real-time, simulation-based identification of cyber-security attacks of industrial plants](#)
A. Patel, T. Schenk, S. Knorn, H. Patzlaff, D. Obradovic, and A. Botero Halblaub

- 10:20–10:40 [Web bot detection evasion using generative adversarial networks](#)
C. Iliou, T. Kostoulas, T. Tsikrika, V. Katos, S. Vrochidis, and I. Kompatsiaris
- 10:40–11:00 [Understanding and mitigating banking trojans: From Zeus to Emotet](#)
K. P. Grammatikakis, I. Koufos, N. Kolokotronis, C. Vassilakis, and S. Shiaeles
- 11:00–11:20 [Insider threat detection using deep autoencoder and variational autoencoder neural networks](#)
E. Pantelidis, G. Bendiab, S. Shiaeles, and N. Kolokotronis

10:00–11:20 Keynote session WS-ACTI1

CET Chair: Vasilis Katos, Bournemouth University (UK)

Room: Nafsika

- 10:00–10:20 [Welcome from the ACTI workshop chair](#)
V. Katos
- 10:20–11:00 **Invited talk:** [Stop chasing rabbits: The case of actionable intelligence where the rubber meets the road](#)
Azeem Aleem, NTT (UK)

10:00–11:20 Technical session WS-RAI1

CET Chair: Fiammetta Marulli, University of Campania (IT)

Room: Nefeli

- 10:00–10:20 [Welcome from the RAI workshop chairs](#)
F. Marulli, F. Mercaldo
- 10:20–10:40 [Towards resilient artificial intelligence: survey and research issues](#)
O. Eigner, S. Eresheim, P. Kieseberg, L. D. Klausner, F. Marulli, F. Mercaldo, M. Pirker, T. Priebe, and S. Tjoa
- 10:40–11:00 [Assessing adversarial training effect on IDSs and GANs](#)
H. Chaitou, T. Robert, J. Leneutre, and L. Pautet
- 11:00–11:20 [Defending against model inversion attack by adversarial examples](#)
J. Wen, S.-M. Yiu, and L. C. K. Hui

11:20–11:40 Coffee break

CET

11.40–13:00 Technical session CSR9

CET Chair: Costas Vassilakis, University of the Peloponnese (GR)

Room: Athena

- 11.40–12:00 [Fast dual-field ECDSA accelerator with increased resistance against horizontal SCA attacks](#)
I. Kabin, D. Klann, Z. Dyka, and P. Langendoerfer
- 12.00–12:20 [On the detection of channel switch announcement attack in 802.11 networks](#)
C. Louca, A. Peratikou, and S. Stavrou
- 12.20–12:40 [Toward automated threat modeling of edge computing systems](#)
C. Mazzocca, A. De Benedictis, R. Montanari, and V. Casola
- 12.40–13:00 [A dynamic reconfiguration-based approach to resilient state estimation](#)
A. Joss, A. Grassbaugh, M. Poshtan, and J. Callenes

11.40–13:00 Technical session WS-ACTI2

CET Chair: Cagatay Yucel, Bournemouth University (UK)

Room: Nafsika

- 11.40–12:00 [Mapping cyber threat intelligence to probabilistic attack graphs](#)
A. Gylling, M. Ekstedt, Z. Afzal, and P. Eliasson

- 12.00–12:20 [A tree-based machine learning methodology to automatically classify software vulnerabilities](#)
G. Aivatoglou, M. Anastasiadis, G. Spanos, A. Voulgaridis, K. Votis, and D. Tzovaras
- 12.20–12:40 [Evaluation and enhancement of the actionability of publicly available cyber threat information in digital forensics](#)
A. Dimitriadis, E. Lontzetidis, and I. Mavridis
- 12.40–13:00 [A workflow and toolchain proposal for analyzing users' perceptions in cyber threat intelligence sharing platforms](#)
B. Stojkovski and G. Lenzi

11.40–13:00 Technical session WS-RAI2

CET Chair: Francesco Mercaldo, University of Molise (IT)

Room: Nefeli

- 11.40–12:00 [X-BaD: A flexible tool for explanation-based bias detection](#)
M. Pacini, F. Nesti, A. Biondi, and G. Buttazzo
- 12.00–12:20 [Improving classification trustworthiness in random forests](#)
S. Marrone, M. S. de Biase, F. Marulli, and L. Verde

13:00–14:00 Lunch break

CET

14:00–15:20 Technical session CSR10

CET Chair: Nicholas Kolokotronis, University of the Peloponnese (GR)

Room: Athena

- 14:00–14:20 [Systematic and efficient anomaly detection framework using machine learning on public ICS datasets](#)
B. Millot, J. Francq, and F. Sicard
- 14:20–14:40 [Semi-automatic bug generation using test case negation](#)
T. Westland, N. Niu, R. Jha, D. Kapp, and T. Kebede
- 14:40–15:00 [STRIDE-AI: An approach to identifying vulnerabilities of machine learning assets](#)
L. Mauri and E. Damiani
- 15:00–15:20 [Machine learning for threat recognition in critical cyber-physical systems](#)
P. Perrone, F. Flammini, and R. Setola

14:00–15:20 Technical session WS-ACTI3

CET Chair: Ioannis Chalkias, Bournemouth University (UK)

Room: Nafsika

- 14:00–14:20 [CTI blockchain-based sharing using proof-of-quality consensus algorithm](#)
D. Chatziamanetoglou and K. Rantos
- 14:20–14:40 [Towards intrusion response intel](#)
K. Hughes, K. McLaughlin, and S. Sezer
- 14:40–15:00 [Data sanitisation and redaction for cyber threat intelligence sharing platforms](#)
C. Yucel, I. Chalkias, D. Mallis, D. Cetinkaya, J. Henriksen-Bulmer, and A. Cooper
- 15:00–15:20 [Named entity recognition in cyber threat intelligence using transformer-based models](#)
P. Evangelatos, C. Iliou, T. Mavropoulos, K. Apostolou, T. Tsikrika, S. Vrochidis, and I. Kompatsiaris

14:00–15:20 Technical session WS-EPES-SPR1

CET Chair: Panagiotis Sarigiannidis, University of Western Macedonia (GR)

Room: Nefeli

- 14:00–14:20 [Welcome from the EPES-SPR workshop chair](#)
P. Sarigiannidis

- 14:20–14:40 [Enhancing SIEM technology for protecting electrical power and energy sector](#)
I. Sklavidis, C. Angelidis, R. Babagiannou, and A. Liapis
- 14:40–15:00 [A scalable multi-agent system for black start restoration in low voltage microgrids](#)
A. Pasiyas, A. Schoinas, A. Drosou, and D. Tzovaras
- 15:00–15:20 [TRUSTY: A solution for threat hunting using data analysis in critical infrastructures](#)
P. Radoglou-Grammatikis, A. Liatifis, E. Grigoriou, T. Saoulidis, A. Sarigiannidis, and T. Lagkas

15:20–15:40 Coffee break
CET

15:40–17:20 Technical session CSR11

CET Chair: Emanuele Bellini, University of Campania Vanvitelli (IT)

Room: Athena

- 15:40–16:00 [Automated and on-demand cybersecurity certification](#)
S. Karagiannis, M. Manso, E. Magkos, L. L. Ribeiro, and L. Campos
- 16:00–16:20 [Towards a maritime cyber range training environment](#)
G. Potamos, A. Peratikou, and S. Stavrou
- 16:20–16:40 [Cyber-range federation and cyber-security games: A gamification scoring model](#)
J. Diakoumakos, E. Chaskos, N. Kolokotronis, and G. Lepouras
- 16:40–17:00 [Cyber-security training evaluation metrics](#)
N. Koutsouris, C. Vassilakis, and N. Kolokotronis
- 17:00–17:20 [Open source and commercial capture the flag cyber security learning platforms: A case study](#)
M. Swann, J. Rose, G. Bendiab, S. Shiaeles, and F. Li

15:40–17:20 Technical session WS-ACTI4

CET Chair: Dimitrios Mallis, Bournemouth University (UK)

Room: Nafsika

- 15:40–16:00 [Towards selecting informative content for cyber threat intelligence](#)
P. Panagiotou, C. Iliou, K. Apostolou, T. Tsikrika, S. Vrochidis, P. Chatzimisios, and I. Kompatsiaris
- 16:00–16:20 [Trust and quality computation for cyber threat intelligence sharing platforms](#)
K. B. Mavzer, E. Konieczna, H. Alves, C. Yucel, I. Chalkias, D. Mallis, D. Cetinkaya, and L. Galindo Sanchez
- 16:20–16:40 [Towards automated matching of cyber threat intelligence reports based on cluster analysis in an Internet-of-vehicles environment](#)
G. E. Raptis, C. Katsini, and C. Alexakos
- 16:40–17:00 [Workshop's closing remarks](#)
V. Katos

15:40–17:20 Technical session WS-EPES-SPR2

CET Chair: Thomas Lagkas, International Hellenic University (GR)

Room: Nefeli

- 15:40–16:00 [Increasing resilience of power systems using intentional islanding; a comparison of binary genetic algorithm and deep learning based method](#)
P. Paradell, Y. Spyridis, A. Colet Subirachs, A. Ivanova, J. L. Dominguez – Garcia, A. Sesis, and G. Efstathopoulos
- 16:00–16:20 [Enabling cyber-attack mitigation techniques in a software defined network](#)
A. Pasiyas, T. Kotsiopoulos, G. Lazaridis, A. Drosou, D. Tzovaras, and P. Sarigiannidis

Program overview

Timeslot (CET)	Monday 26th of July			Tuesday 27th of July			Wednesday 28th of July		
	Athens	Nafsika	Nefeli	Athens	Nafsika	Nefeli	Athens	Nafsika	Nefeli
08:40–09:00	WL								
09:00–10:00	PL1			PL2			PL4		
10:00–11:20	CSR1	WS-DS4CS1	WS-CRST1	CSR5	WS-CRE1		CSR8	WS-ACT11	WS-RAI1
11:20–11:40		Coffee break			Coffee break			Coffee break	
11:40–13:00	CSR2	WS-DS4CS2	WS-CRST2	CSR6			CSR9	WS-ACT12	WS-RAI2
13:00–14:00		Lunch break			Lunch break			Lunch break	
14:00–15:00	CSR3	WS-DS4CS3		PL3			CSR10	WS-ACT13	WS-EPES-SPR1
15:00–15:20									
15:20–15:40		Coffee break			Coffee break			Coffee break	
15:40–17:20	CSR4		WS-MCS1	CSR7	WS-CRE2		CSR11	WS-ACT14	WS-EPES-SPR2
17:20–17:40		Coffee break		AW					
17:40–18:20			WS-MCS2						
18:20–20:00					WS-CRE3				

Athens room (main conference)

Timeslot (CET)	Monday 26th of July			Tuesday 27th of July			Wednesday 28th of July		
	08:40–09:00	Welcome from the chairs WL							
09:00–10:00	Plenary session PL1 (Isaac Ben Israel) <i>Chair: Emanuele Bellini</i>			Plenary session PL2 (Ernesto Damiani) <i>Chair: Nicholas Kolokotronis</i>			Plenary session PL4 (Steve Furnell) <i>Chair: Stavros Shiaeles</i>		
10:00–11:20	Technical session CSR1 <i>Chair: Francesco Flammini</i>			Technical session CSR5 <i>Chair: Nicholas Kolokotronis</i>			Technical session CSR8 <i>Chair: Bagdan Ghita</i>		
11:20–11:40	Coffee break			Coffee break			Coffee break		
11:40–13:00	Technical session CSR2 <i>Chair: Stefano Marrone</i>			Technical session CSR6 <i>Chair: Emanuele Bellini</i>			Technical session CSR9 <i>Chair: Costas Vassilakis</i>		
13:00–14:00	Lunch break			Lunch break			Lunch break		
14:00–15:00	Technical session CSR3 <i>Chair: Nicholas Kolokotronis</i>			Plenary session PL3 (Igor Linkov) <i>Chair: Stavros Shiaeles</i>			Technical session CSR10 <i>Chair: Nicholas Kolokotronis</i>		
15:00–15:20	Coffee break			Coffee break			Coffee break		
15:20–15:40	Technical session CSR4 <i>Chair: Stavros Shiaeles</i>			Technical session CSR7 <i>Chair: Gueltoum Bendiab</i>			Technical session CSR11 <i>Chair: Emanuele Bellini</i>		
17:20–18:20				Awards session AW <i>Chairs: Emanuele Bellini, Giancarlo Fortino</i>					

Nafsika room (workshops)

Timeslot (CET)	Monday 26th of July	Tuesday 27th of July	Wednesday 28th of July
10:00–11:20	Keynote session WS-DS4CS1 <i>Chair: Christos Tryfonopoulos</i>	Technical session WS-CRE1 <i>Chair: Nicholas J. Multari</i>	Keynote session WS-ACTI1 <i>Chair: Vasilis Katos</i>
11:20–11:40	Coffee break		Coffee break
11:40–13:00	Technical session WS-DS4CS2 <i>Chair: Spiros Skiadopoulos</i>		Technical session WS-ACTI2 <i>Chair: Gagatay Yucel</i>
13:00–14:00	Lunch break		Lunch break
14:00–15:20	Technical session WS-DS4CS3 <i>Chair: Christos Tryfonopoulos</i>		Technical session WS-ACTI3 <i>Chair: Ioannis Chalkias</i>
15:20–15:40			Coffee break
15:40–17:20		Keynote session WS-CRE2 <i>Chair: Rosalie McQuaid</i>	Technical session WS-ACTI4 <i>Chair: Dimitrios Mallis</i>
17:20–18:20		Break (awards session in Athena room)	
18:20–20:00		Panel discussion WS-CRE3 <i>Chairs: Jeffrey Piccotto, Nicholas J. Multari</i>	

Nefeli room (workshops)

Timeslot (CET)	Monday 26th of July	Tuesday 27th of July	Wednesday 28th of July
10:00–11:20	Technical session WS-CRST1 <i>Chair: Konstantina-Eleni Davri</i>		Technical session WS-RAI1 <i>Chair: Fiammetta Marulli</i>
11:20–11:40	Coffee break		Coffee break
11:40–13:00	Technical session WS-CRST2 <i>Chair: Angelos Amditis</i>		Technical session WS-RAI2 <i>Chair: Francesco Mercaldo</i>
13:00–14:00			Lunch break
14:00–15:20			Technical session WS-EPES-SPR1 <i>Chair: Panagiotis Sarigiannidis</i>
15:20–15:40	Technical session WS-MCS1 <i>Chair: Leandros Maglaras</i>		Coffee break
15:40–17:20	Coffee break		Technical session WS-EPES-SPR2 <i>Chair: Thomas Lagkas</i>
17:20–17:40			
17:40–18:20	Panel discussion WS-MCS2 <i>Chairs: Christos Douligeris, Despina Polemi</i>		