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## Cyber Ranges, Testbeds and Digital Twins

Guest Editors:

**Prof. Dr. Leandros Maglaras**

School of Computer Science and Informatics, De Montfort University, Leicester LE1 9BH, UK

**Dr. Ioanna Kantzavelou**

Department of Informatics & Computer Engineering, University of West Attica, Egaleo, 122 43 Athens, Greece

**Dr. Mohamed Amine Ferrag**

Department of Computer Science, Guelma University, Guelma, Algeria

Deadline for manuscript submissions:

**closed (20 July 2022)**

### Message from the Guest Editors

Dear Colleagues,

In recent years, cyber-attacks—especially those targeting systems that keep or process sensitive information—are becoming more sophisticated. Authors are encouraged to submit previously unpublished contributions from a broad range of topics, which include but are not limited to the following:

- Cyber range integration and federation;
- Emulation and simulation techniques (exercises, architecture, etc.);
- Hybrid system integration;
- Emerging technologies in cyber ranges;
- Econometric models in cyber security training;
- Digital twins;
- Capture the flag platforms;
- Risk assessment frameworks for training;
- Trainee evaluation and situational awareness;
- Learning methods in cyber security training certifications;
- Serious gaming and visualization;
- Cyber-exercises and strategic decision making;
- Agile development of cyber ranges.

Aligned with the interdisciplinary nature of cyber security, authors from academia, government, and industry are welcome to contribute.

Dr. Leandros Maglaras

Dr. Ioanna Kantzavelou

Dr. Mohamed Amine Ferrag

Guest Editors



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**Special Issue**



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## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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*Applied Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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