

**THE ROMANIAN ENERGY CENTER ASSOCIATION IS PLEASED TO INVITE ITS MEMBERS TO THE INTERNATIONAL WORKSHOP ON ELECTRICAL POWER AND ENERGY SYSTEMS SAFETY, SECURITY AND RESILIENCE**

**22<sup>nd</sup> of April 2021, Carina Ioana ZIDARU**

The Romanian Energy Center Association (CRE) actively contributes and participates at the „2<sup>nd</sup> International Workshop on Electrical Power and Energy Systems Safety, Security and Resilience - EPESec 2021”, within the European Project „PHOENIX” – „Electrical Power System’s Shield against complex incidents and extensive cyber and privacy attacks”, funded by the European Commission (EC) through the Horizon 2020 Program. The EPESec 2021 Workshop will be an Online Event, which will take place on 17-20 August 2021, in collaboration with the „16<sup>th</sup> International Conference on Availability, Reliability and Security – ARES”.

The EPESec 2021 Workshop aims at collecting the most relevant ongoing research efforts in the European Power Energy System (EPES) digital security field. It also serves as a forum for relevant projects in order to disseminate their security-related results, boost cooperation, knowledge sharing and follow-up synergies, and foster the development of the EPES Security Community, composed of security experts and practitioners.

If you are interested to contribute and participate to **EPESec 2021 Workshop**, the important dates will follow: Submission Deadline - 14<sup>th</sup> of May 2021, Author Notification – 2<sup>nd</sup> of June 2021, Proceedings Version – 13<sup>th</sup> of June 2021, ARES EU Symposium – 17<sup>th</sup> of August 2021, All-Digital Conference – 17 - 20 August 2021.

Energy transition presents significant challenges, as the future focuses on integrating higher share of renewables sources, promoting a more efficient and decentralized energy system, by involving advanced digital technologies and systems such as: smart devices, faster and more flexible gateways, smart meters, and Internet of Things (IoT). In this regard, this transition necessitates the integration of cyber-defense measures and strategies into novel, resilient and self-healing architectures. Due to the increasing digitization of the energy infrastructure, the risk of cyberattacks has risen considerably.

The Workshop addresses the following topics that will contribute to the discussions: security policies; risk analysis and management; safety-security interactions; cybersecurity engineering; security standards; EPES market trends and business opportunities and vulnerability assessment and metrics.

The EPESec 2021 Workshop will bring to the foreground the following H2020 Research and Development (R&D) projects: SDN-microSENSE Project; CYBER-TRUST Project; EnergyShield Project; FORESIGHT Project; PHOENIX Project and SPEAR Project.

The International Conference on Availability, Reliability and Security – ARES brings together researchers and practitioners in the area of dependability since 2006. ARES highlights the various aspects of security with special focus on the crucial linkage between availability, reliability, and security. ARES conference aims at a full and detailed discussion of the research issues of security as an integrative concept that covers among others availability, safety, confidentiality, integrity, maintainability and security in the different fields of applications.

CRE is a direct partner in PHOENIX Project together with its two members TRANSELECTRICA, DELGAZ (RO) as well as TELETRANS, Transport and Distribution System Operators (TSOs and DSOs) from Central and South-East Europe, including: ASM TERNI (IT), ELEKTRO LJUBLJANA (CR), and PPC (GR), as well as other energy and telecommunications partners from 11 European countries (France, Finland, Germany, Greece, Italy, Luxemburg, Romania, Slovenia, Spain, Norway, and Netherlands). The coordinator of the Phoenix Project is Capgemini Technology Systems from France.

PHOENIX Project officially started in 2019, has a three-year implementation period and a budget of 11 Million Euro. The main objective of the project is to improve the cyber security of EPES. PHOENIX aims to offer a cyber-shield armour to European EPES infrastructure enabling cooperative detection of large scale, cyber-human security and privacy incidents and attacks, guarantee to minimize cascading effects in infrastructure, the environment, the citizens and the end-users at reasonable cost.

CRE Association is an active and strategic partner together with its members and other potential members in international consortia for deploying energy projects funded by the EC, such as: CROSSBOW, PHOENIX, TRINITY, EDDIE, EDGEFLEX, SUCCESS, RESERVE, NRG5, WISEGRID, SOGNO and CYBERSEAS.

