

Quo Vadis Smart Grid Security?

Prof. em. Dr. Christoph Ruland, University of Siegen, Germany
*Chair for Data Communications Systems and Proxy Chair for Communications
Engineering & Security*

Smart Grids are much more than interconnected meters, components on different hierarchy levels and their communication protocols. Many other aspects and technologies are integrated, e.g. sensorics, wireless communication, AI, life cycle management. The speech will cover the status and actual extensions of station control security and introduce security aspects of phases of the life cycle of components like calibration, enrollment, risk oriented access control (ABAC) to block inside attackers, resp. intruders, who overcame the intrusion detection systems. The ambivalence between security and safety will be discussed. International standards and recommendations will be referenced, which are important and helpful, but often unknown.