



Call for Papers

1st International Workshop on Secure IoT, Edge and Cloud systems (SIoTEC) 2020

<https://siotec2020.netsons.org/>

organized in association with

20th IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing (CCGrid 2020)

<p>Workshop Co-Chairs</p> <p>Javid Taheri Karlstad University, Sweden</p> <p>Maria Fazio University of Messina, Italy</p> <p>Giuseppe Di Modica University of Catania, Italy</p> <p>Antonino Galletta University of Messina, Italy</p> <p>Inquiries regarding the Workshop should be directed to the email address:</p> <p>siotec2020 (at) googlegroup s (dot)com</p>	<p>The Cloud/Edge paradigm fosters the deployment of digital services over multiple physical (both private and public) infrastructures even across different administrative boundaries. In its turn, the IoT advent has determined the proliferation of smart devices connected to the Internet and injecting into it a vast amount of data that may traverse several network boundaries and undergo many computational stages before they get consumed. If, on the one hand, the benefits brought by these technologies are well known, it is clear as well that, in the envisaged scenario, the exposure of data, services and infrastructures to malicious attacks has definitely grown. Even a single breach on any of the links of the data-service-infrastructure chain may seriously compromise the security of the end-user application. With such a wide attack surface, security must definitely be approached in a holistic way and addressed in any layer where concerns may potentially arise.</p> <p>The workshop solicits novel and innovative ideas, proposals, positions and best practices that address the modelling, design, implementation, and enforcement of the security in Cloud/Edge/IoT environments.</p> <p>Workshop topics include, but are not limited to:</p> <ul style="list-style-type: none">• Blockchain-based tools and services• Data security across multiple domains and countries• Federated IoT, Edge and Cloud systems• Security in Osmotic Computing• Security on Cyber-physical systems• Anonymous and certified communications• Metrics and performance of secure interdomain protocols• Attack detection and prevention• Authentication protocols and key management• Availability and survivability of secure services and systems• Biometric security• Trust models and security modeling in Cloud/Edge/IoT scenarios• Security and privacy in the cloud and fog/edge infrastructure, services and storage• Machine learning applied to security applications• Emerging and disruptive technologies for security, privacy, trust and forensics• Security systems and protocols for Drones• Drone communication and communication security <p>Important Dates</p> <p>Submission of research papers due: January 23, 2020 February 16, 2020</p> <p>Notification of paper acceptance: February 9, 2020 February 24, 2020</p> <p>Submission of camera-ready papers due: February 16, 2020 March 02, 2020</p> <p>Workshop date: May 11, 2020</p> <p>Paper submission</p> <p>Papers should be written in English. Manuscripts should not exceed 8 pages in the IEEE proceedings style, including all figures, tables and references, and must be submitted using EasyChair (https://easychair.org/conferences/?conf=siotec2020). Papers must present original and unpublished work and should not be currently under review by any other conference or journal. To submit a paper, please follow the instructions on the Workshop web site.</p> <p>The Workshop Proceedings will be part of CCGrid 2020 Proceedings and will be submitted for publication to IEEE Xplore (http://ieeexplore.ieee.org)</p> <p>A "Best Paper Award" Certificate will be conferred on the author(s) of a paper presented at the workshop, selected by the Chairs based on scientific significance, originality and outstanding technical quality of the paper, as assessed also by the evaluations of the members of the Program Committee.</p>
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