Special Session

Special Session on Machine Learning for Cybersecurity

for

IEEE UEMCON 2019 - The 10th IEEE Annual Ubiquitous Computing, Electronics & Mobile Communication Conference
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Chaired and Organized by

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In recent years, both the number and severity of cybersecurity threats has grown significantly, and new classes of advanced persistent threats have emerged. Conventional methods of threat detection, identification, classification, prediction, and response that rely on skilled human operators in a security operations center (SOC) are no longer sufficient to keep pace with the current threat landscape. This session will present advances in cybersecurity which leverage machine learning or artificial intelligence to either enhance existing systems or provide new, improved functionality that would not be possible in a traditional security environment. Topics of interest include, but are not limited to, machine learning algorithms and implementations related to cybersecurity; enhanced visualization and analytic categorization of threats; developing machine learning training methodologies for security; dynamic re-provisioning of cloud and data center security using machine learning automation; deep packet inspection using machine learning; and machine learning applications to zero trust environments.

Topics include, but not limited to:

- Machine learning algorithms and implementations related to cybersecurity
- enhanced visualization and analytic categorization of threats;
- developing machine learning training methodologies for security;
- dynamic re-provisioning of cloud and data center security using machine learning automation;
- deep packet inspection using machine learning;
- machine learning applications to zero trust environments;
- general application of machine learning or artificial intelligence to computer security issues

Paper Categories

Regular Paper – 7 pages maximum (3 additional pages allowed but at an extra charge)
Short Paper (Work-in-Progress) – 6 pages maximum (2 additional pages allowed but at an extra charge)
Poster – 5 pages maximum

Regular papers should present novel perspectives within the general scope of the conference. Short papers (Work-in-Progress) are an opportunity to present preliminary or interim results. Posters are intended for ongoing research projects, concrete realizations, or industrial applications/projects presentations.

Paper Submission Info:

IEEE UEMCON uses EDAS for submission.

Authors need to:
1. Create an account (if not already registered) with EDAS at http://edas.info
2. Submission link: https://edas.info/newPaper.php?c=25891&track=98000

Important Dates

Full Paper Submission:	30th June 2019
Acceptance Notification:	24 th July 2019
Final Paper Submission:	2th September 2019
Conference:	10th - 12th October 2019

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