

Call for Contributions

Submission:

1. **Inform the Chair:** with the Title of your Contribution

2. **Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=SECURWARE+2018+Special>

Please select Track Preference as **ML-SOP**

Special track

ML-SOP: Machine Learning and Semantic/Ontology-based Processing

Chair

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along with

SECURWARE 2018, the Twelfth International Conference on Emerging Security Information, Systems and Technologies

September 16, 2018 to September 20, 2018 - Venice, Italy

<http://www.iaria.org/conferences2018/SECURWARE18.html>

In order to increase the level of automation and to reduce the human intervention, the concept of semantic technology has appeared. The main idea behind the semantic technology is to describe the resources in a formal representation with clearly defined semantics in order to be machine-readable. In this sense, machine learning still a hot topic today, since machine learning is the most relevant and trending piece for innovation and predictive analysis on information technology. It allows for adding intelligence and decision support to business processes, services, big data, wireless sensor networks and other emerging domains.

Machine learning offers a set of algorithms to help for decision and prediction support. It is based on learning from the past to predict the future. It can be used to solve many problems in medical diagnosis, stock trading, web mining and others business domains. S,o prediction makes it possible to prevent the occurrence of problems and it can help prepare mitigation mechanisms for an upcoming problem. Furthermore, modern information technology offers a real-time control of cross-organizational business processes. In order to enhance agility, they increasingly adopt Cloud based solution, the Internet of Things/Agents and service-oriented solutions.

This emerging context has led us to argue that it will be interesting to use machine learning techniques, to enable real-time monitoring of security applications.

Hence, this track is especially interested in original contributions in the area of machine learning and ontology processing approaches, tools, applications, case studies, comparative studies and recent solutions.

Topics include, but not limited to:

- Semantic web for business processes
- Semantic web for process mining
- Semantic web mining
- Semantic web and applications

- Machine learning and big data for security threats
- Machine learning for human motion analysis
- Machine learning for network monitoring and security
- Machine learning and predictive applications

Important Datelines

- Inform the Chair (see Contacts below): as soon as you decided to contribute
- Submission: ~~June 4~~ **July 10**
- Notification: ~~July 2~~ **July 30**
- Registration: ~~July 16~~ **August 10**
- Camera ready: ~~July 22~~ **August 10**

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format

- See: <http://www.iaria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaria.org/registration.html>

Contacts

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