

Call for Contributions

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

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICNS+2021+Special>

Please select Track Preference as **LANS**

3. Note: *For 2021, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

LANS: Learning & Analytics in Networks and Services

Chair

Dr. Arif Selcuk Ogresci, Kadir Has University, Turkey

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along with

ICNS 2021, The Seventeenth International Conference on Networking and Services

<https://www.iaria.org/conferences2021/ICNS21.html>

May 30/June 3, 2021 Valencia, Spain

Systems evolve to be made up of highly interconnected heterogeneous components within larger networks of systems. This complexity is further enhanced by the variety of protocols and networking structures. Services, a clever abstraction to perform operations in those systems, have dominated the literature with the famous abbreviation of AaaS (Anything as a Service). Within this complex framework where huge amounts of data are processed, the desire for optimality is an active topic. Efficiency and effectiveness in multiple criteria such as response time, energy, QoS, reliability, security, etc. require detailed analysis of the system performance for prediction and prescription. Therefore, solid methodologies for developing analytics solutions are required.

This special track will focus on the use of machine learning and computational intelligence for analytical predictions in networks and services. Contributions about data intensive approaches for understanding the behavior of networks and for modeling the performance of services are welcome. All aspects of learning in services computing within a systems approach can be considered for submission: architectures, technologies, computing paradigms, and emerging communication schemes can be incorporated within the analytics and learning framework.

Topics include, but not limited to:

- Learning and analytics in networks for the edge-cloud computing paradigm: task assignment, caching, federated learning, optimization;
- Learning and analytics for web services: search, composition, operation, optimization;
- Learning and analytics for network security and resilience;
- Anomaly detection for service computing networks based on supervised and unsupervised methods.

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]

Important Datelines

Inform the Chair or Coordinator: As soon as you decide to contribute

Submission: April 16, 2021

Notification: May 3, 2021

Registration: May 13, 2021

Camera ready: May 13, 2021

Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format

- See: <http://www.iaia.org/format.html>

- Before submission, please check and comply with the editorial rules:

<http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iaiajournals.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

<https://www.iaiasubmit.org/conferences/submit/newcontribution.php?event=ICNS+2021+Special>

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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.iaia.org/registration.html>

Contact

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