

## Call for Contributions for

### Submission:

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

2. **Submission URL:**

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

Please select Track Preference as **NeXCyRa**

Special track

## NeXCyRa: Next Generation Cyber Ranges

### Chair and Organizer

Dr Reda Yaich, Senior Researcher and R&D Manager @ IRT SystemX, France

[reda.yaich@irt-systemx.fr](mailto:reda.yaich@irt-systemx.fr)

along with

**ADVCOMP 2018**, The Twelfth International Conference on Advanced Engineering Computing and Applications in Sciences <http://www.iaria.org/conferences2018/ADVCOMP18.html>

November 18 - 22, 2018 - Athens, Greece

Today, the importance of Cyber Security Training (CST) is unquestionable. As a consequence, the design and development of Cyber Ranges (CR) have become a necessity for many governments and organizations. Cyber Ranges are environments that offer tools and services to support Cybersecurity simulation and training experience. In other words, a Cyber Range allows reproduction of IT and/or OT systems execution in a real or simulated environment.

Cyber Range emulates real-world scenario involving complex, large-scale and/or domain-specific infrastructures such as IoTs (Internet of Things) and/or Industrial IoT (IIoT). Such environments reveal to be quite convenient to practice skills related to systems pen-testing, hardening and/or defending. It allows also for training in response to incidents and attacks mitigation.

The science discipline that designs and develops Cyber Ranges is still its infancy. However, the state of the arts is quickly growing boosted by the ever-increasing number of cyber attacks and the growing concern and preoccupation of governments about these threats.

The ambition of the workshop is to provide an interactive discussion space wherein the participants share their knowledge and understanding about scientific, technical and pedagogical approaches and methods about Cyber Ranges design, implementation and piloting.

**The topics** of interest include, but are not limited to:

- Literature review and state-of-the-art of previous and current cyber ranges
- Cyber Training methodologies and Assessment
- Attacks Catalog and Training Scenario development
- Social Context and Cyber Training Environment
- Domain application and case studies of Cyber Ranges
- IT, OT and Hybrid approaches of Cyber Ranges
- Cloud-based Cyber Ranges models

### Important Datelines

Inform the Chair: As soon as you decided to contribute

Submission: October 5

Notification: October 20

Registration: October 30

Camera-ready: October 30

## **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](http://www.iaria.org)]
- Presentations: slide only [slide-deck posted on [www.iaria.org](http://www.iaria.org)]
- Demos: two pages [posted on [www.iaria.org](http://www.iaria.org)]

## **Paper Format**

- See: <http://www.iaria.org/format.html> [both LaTeX and .doc templates]
- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>
- More information on camera ready preparations will be posted after the paper notifications are sent out.

## **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**

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

Please select Track Preference as **NeXCyRa**

## **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**

Reda Yaich: [reda.yaich@irt-systemx.fr](mailto:reda.yaich@irt-systemx.fr)

ADVCOMP Logistics: [steve@iaria.org](mailto:steve@iaria.org)

-----