

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=CYBER+2022+Special>

Please select Track Preference as **CAS**

3. Note: *For 2022, 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

CAS : Cyber-security in Autonomous Systems

Chair

Dr. Mohammadreza Mehrabian, Assistant Professor, Department of Electrical Engineering and Computer Science, South Dakota School of Mines and Technology, USA

mohammadreza.mehrabian@sdsmt.edu

along with

CYBER 2022: The Seventh International Conference on Cyber-Technologies and Cyber-Systems

<https://www.iaria.org/conferences2022/CYBER22.html>

November 13 - 17, 2022 - Valencia, Spain

As autonomous technology has evolved, cities have become increasingly smart. Smart mobility is a required element in smart cities today, and autonomous vehicles are essential to smart mobility. Satellite navigation, adaptive cruise control, obstacle avoidance system, motion/path planning approaches, and anti-lock braking systems are well-known examples of automation technology used in everyday cars. The trend of automation technology being used in vehicles is expected to move closer to full autonomy through technological advancements in robotics and artificial intelligence and systematic navigation and develop smart cities inevitably require to implement communication protocols among the vehicles, between vehicles and the environment, and between vehicles and satellites. However, a communication protocol for vehicles considering attacks and defenses for autonomous vehicles or at least the potential threats have not been developed and presented yet.

In “Cyber-security in Autonomous Systems (CAS)”, there is the opportunity for the authors to submit their projects utilizing big data and communication technologies, techniques for detecting abnormalities using artificial intelligence, and machine learning approaches for increasing the level of security and safety in autonomous vehicle technology.

Topics include, but are not limited to:

- Blockchain in Connected Autonomous Vehicles (CAVs) and IoT
- Security and Privacy for Augmented Reality Systems
- Deep Learning Methods for Cyber-security
- Security Challenges in Deepmind

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.aria.org]
- Demos: two pages [posted on www.aria.org]

Important Datelines

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

Submission: Oct 1, 2022

Notification: Oct 17, 2022

Registration: Oct 27, 2022

Camera ready: Oct 27, 2022

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

Paper Format

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

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

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.ariajournals.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.ariasubmit.org/conferences/submit/newcontribution.php?event=CYBER+2022+Special>

Please select Track Preference as **CAS**

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.aria.org/registration.html>

Contact

Chair: Mohammadreza Mehrabian, mmehrab@asu.edu

Logistics: steve@aria.org