1. Inform the Chairs
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=VEHICULAR+2022+Special
Please select Track Preference as **VLbVC**
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

VLbVC: Visible Light-based Vehicular Communication

Chairs
Anand Srivastava, Professor, IIIT-Delhi, India
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Vivek Bohara, Associate Professor, IIIT-Delhi, India
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along with

VEHICULAR 2022 : The Eleventh International Conference on Advances in Vehicular Systems, Technologies and Applications
https://www.iaria.org/conferences2022/CfPVEHICULAR22.html
May 22 - 26, 2022 in Venice, Italy

In recent years, Visible light communication (VLC) has emerged as an affordable and scalable technology supporting very high data rates for short range vehicular-to-everything (V2X) communication. Vehicular-VLC (V-VLC) can be envisioned as a complementary technology to existing Radio Frequency (RF) based vehicular communication. Besides supporting high data rate communications, its inherent features such as lower power consumption, less complex transceiver design, lower cost, enhanced security, low latency, higher Packet Reception Probability (PRP) and anti-electromagnetic interference make VLC technology an ideal candidate for 6G V2X networks

This special track aims to provide a platform for academicians, researchers, and industry people to come together and deliberate on the prospective V-VLC applications. Additionally, this track is intended to identify the potential research areas in the field of VLC for next generation vehicular networks.

Contributions proposing advances in the area of visible light-based vehicular communication will be accepted under the following topics, but not limited to:

• Channel models for V-VLC
• V-VLC protocols and applications
• Vehicle-to-Everything (V2X) communication using VLC
• Heterogeneous vehicular networks (V-VLC+C-V2X/DSRC)
• Non-Orthogonal Multiple Access for V-VLC network
• Cooperative V-VLC network
• VLC for platooning, lane change assistance and warning applications
• Big data analytics, machine learning, AI applications
• Experimental demonstration
• Proof-of-concept using V-VLC test bed

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Extended abstracts: two pages [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 Dates
Inform the Chairs: As soon as you decide to contribute
- Submission: April 8, 2022
- Notification: April 24, 2022
- Registration: May 4, 2022
- Camera ready: May 4, 2022

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

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
- 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=VEHICULAR+2022+Special
Please select Track Preference as **VLbVC**

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

Contact
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