

## Call for Contributions

### Note: Onsite and Online Options

In order to accommodate a large number of situations, we are offering the option for either physical presence or virtual participation. We would be delighted if all authors manage to attend in person, but are aware that special circumstances are best handled by having flexible options.

### Submission:

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

**2. Submission URL:**

<https://www.ariasubmit.org/conferences/submit/newcontribution.php?event=VEHICULAR+2020+Special>

Please select Track Preference as NVNN

Special track

## NVNN: Non-visual Navigation and Notification

### Chair and Coordinator

Prof. Dr. Akimasa Suzuki, Iwate Prefectural University, Japan  
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along with

### VEHICULAR 2020

The Ninth International Conference on Advances in Vehicular Systems, Technologies and Applications

<https://www.aria.org/conferences2020/VEHICULAR20.html>

October 18, 2020 to October 22, 2020 - Porto, Portugal

In this special track, we will discuss navigation, notification, and sensing without vision based on all vehicles. Many recent vehicles are systems using cameras, displays, and the human eyes. Many systems depend on displays and camera. Up to 80 percent of the information which people gets is from eyes.

However, users can be confused by too many visual images because of much information on the many display because many systems use visual images. Also it is difficult to use the visual system under the environment without any light. Not only visual system, but also multimedia system can be expected to improve information processing performance and safety.

Therefore, to realize the system that does not depend too much on vision or that is difficult to use cameras for, we will discuss the potential and possibility of non-visual sensors and actuators for vehicles..

### Topics include, but not limited to:

- Communication Method between Driver and System
- Sound / Vibration Alert
- Multimedia Navigation
- Non Visual Localization for UAV
- System on Dark Environment
- System for Vehicle with Non Visual Sensors Using Such as Ultrasound, Acoustic, Radio, Accelerometer, Infrared

## Important Datelines

Submission: August 24  
Notification: September 13  
Registration: September 23  
Camera-ready: September 23

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

### **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=VEHICULAR+2020+Special>

Please select Track Preference as **NVNN**

### **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**

Chairs

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