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 **QuVA**
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

QuVA: Quality of Experience (QoE) Driven VR/AR Multimedia System Design

Chair
Assist. Prof. Dr. Jounsup Park, University of Texas at Tyler, USA
jpark@uttyler.edu

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

Virtual Reality (VR) and Augmented Reality (AR) technology has a potential to be the next major multimedia contents because VR/AR can provide immersive experience to the users. The VR/AR systems must be designed to provide high quality multimedia experience to the users depending on their applications. We are calling for contributions on the VR/AR multimedia system designs considering user experience.

VR/AR systems consist of many design components, such as sensors, networks, audio, and display devices. The sensors are necessary for implementing VR/AR services. Sensors are not only used for generating VR/AR contents, but also for the acquisition of viewer's position. Networking necessary to deliver high quality VR/AR data. Audio and display devices directly affect the user experiences. It is necessary to optimize the VR/AR system considering all these design components to provide high quality VR/AR services.

We encourage contributions ranging from theoretical studies, through systems design, to subjective user studies.

Topics include, but not limited to

- Virtual Reality (VR) and Augmented Reality (AR) systems
- Video streaming systems and rate control algorithms
- Video communication system design
- 3D point cloud streaming
- Low latency networking protocol
- VR/AR Quality of Experience metrics
- Acoustic signal processing
- mmWave Radar signal processing
- Lidar/Radar imaging

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

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=ICNS+2021+Special
Please select Track Preference as **QuVA**

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
Chair: Jounsup Park, jpark@uttyler.edu
Logistics: steve@iaria.org