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 Chairs: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=MOBILITY+2020+Special
Please select Track Preference as **6G-UAV**

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Special track

6G-UAV: UAV Applications and Massive Access in 6G Wireless Communication Networks

Chairs and Coordinators

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Prof. Dr. Lisu Yu, Nanchang University, Nanchang, China
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along with

MOBILITY 2019, The Tenth International Conference on Mobile Services, Resources, and Users
September 27, 2020 to October 01, 2020 - Libon, Portugal
https://www.iaria.org/conferences2020/MOBILITY20.html

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With the explosive growth of mobile services, the next generation (6G) wireless communication system is expected to face the challenge of a large number of connecting devices. On the one hand, the number of mobile users is increasing, and the services required by users are becoming more and more diversified; on the other hand, the space and frequency resources are limited. In this case, users also need to get a higher transmission rate with lower delay. In the future, wireless communication transmission will be carried out more often in the high-density node scenario.

Therefore, to provide high-data-rate service, it is necessary to study massive access technology to solve massive connections problems. In the past ten years, Unmanned Aerial Vehicle (UAV) technology has been rapidly developed. UAVs can act as the mobile Access Points (APs) to provide high-data-rate transmission service for the people staying or isolated at home.

Topics include, but not limited to:

- Standards (IETF, IEEE, ETSI, SIG, ...)
- 6G architectures
- Applications and test results in massive access networks
- Internet of things (IoT) in 6G
- Smart cities/Smart grids
- Software defined radios/Software defined networks (SDR/SDN)
- Energy or spectrum efficient networking

- Cloud computing in massive access networks
- Cross-layer optimization in 6G networks
- SDN/NFV for massive access networks in 6G
- Massive MIMO in massive access networks
- New modulation and coding in massive access networks
- New analysis results in massive access networks
- UAV applications
- Hardware design in massive access networks or UAV networks

Important Datelines
Inform the Chairs (see Contacts below): as soon as you decide to contribute
Submission: August 3
Notification: August 23
Registration: September 2
Camera-ready: September 2

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]

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
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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

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