15th Annual Conference on RFID
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IEEE 2021.ieee-rfid.org RFID

IEEE RFID 2021 Workshop on Wireless MoCap (27-28 April 2021)

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This year's IEEE RFID 2021 conference will have a ==hybrid format==. We plan to hold our meeting in Phoenix, AZ, but all presenters are expected to produce short, pre-recorded talks for on-demand online viewing. For maximum safety, the conference will accommodate the presenters' preferences for either virtual or in-person presentation.

This workshop will host researchers and engineers interested in the emerging technologies and applications for wireless motion capture and fine-scale wireless localization. Workshop presentations will explore technical issues relevant to new wireless motion capture, fine-scale localization, gesture recognition, tomography, and related technologies.

Topics Include

- Wireless Motion Capture Systems
- Fine-scale Localization and Applications
- Robotics and RFID
- Tracking Applications
- SAR and Radar-based Techniques
- *Hardware Demonstrations Welcome*!
- Gesture Recognition
- RFID-based Positioning
- Doppler-Based Techniques
- Drones and Vehicles
- RF/mm-Wave Imaging
- Hybrid Localization Techniques

Types of Submissions:

- Papers (3-8 pages, peer-reviewed, submissions due 19 January 2021)
- Demonstrations
- Abstracts (half-page, lightly reviewed)
- Panel Discussions
- Tutorials

Additional Submission Information

The IEEE RFID 2021 Workshop on Wireless MoCap accepts several submission types:

Abstracts: lightly-reviewed summaries of proposed oral or poster presentations. Submit abstracts via e-mail to Prof. Yongtao Ma (mayongtao@tju.edu.cn).

Full Papers: peer-reviewed manuscripts intended for publication on IEEExplore. Manuscripts should be 3-8 pages, submitted by the advertised conference deadline (19 January 2021). See the online call-for-papers submission instructions.

Tutorials: proposals for tutorials on the relevant Wireless MoCap workshop topics. Submit a written summary, expected duration, expected technical background of attendees, prior presentations by presenter of similar tutorials, and speaker bio. Submit proposals via e-mail to Jim Stratigos (jstratigos@cognosos.com).

Demonstrations: proposals for software/hardware demonstrations, including a written summary, power needs, and any other special requirements for presentation. Submit proposals via e-mail to Qian Yang (qian@gatech.edu).

Accepted authors and presenters will be invited to submit expanded, peer-reviewed papers to a special issue of the *IEEE Journal on RFID*, to appear in late 2021.

Check the IEEE RFID 2021 conference website (**2021.ieee-rfid.org**) for announcements, student travel grant opportunities, conference program, and more. Participation and attendance in the Workshop on MoCap is included for IEEE RFID 2021 registrations.

About IEEE RFID 2021

The IEEE RFID conference series is co-located with RFID Journal LIVE!, the largest tradeshow for the RFID industry. IEEE RFID 2021 attendees have unlimited access to the trade show floor during the conference. IEEE RFID, the flagship conference of the multidisciplinary IEEE Council on RFID, has over 50% industry attendance and is a unique, high-quality venue for disseminating research.

Brought to you by IEEE CRFID's Working Group on Wireless Motion Capture and Fine-Scale Localization