



IEEE RFID 2022 Workshop on Wireless MoCap



Organizers: Cheng Qi¹, Andrea Motroni², ¹Cognosco, ²University of Pisa

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 (2-6 pages, peer-reviewed, submissions due 7 February 2022)
- Demonstrations
- Abstracts (half-page, lightly reviewed)
- Panel Discussions
- Tutorials





Additional Submission Information

The IEEE RFID 2022 Workshop on Wireless MoCap accepts several submission types:

Abstracts: lightly-reviewed summaries of proposed oral or poster presentations. Submit abstracts via e-mail to mocap@ieee-rfid.org.

Full Papers: peer-reviewed manuscripts intended for publication on IEEExplore. Manuscripts should be 2-6 pages, submitted by the advertised conference deadline (**7 February 2022**). 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 mocap@ieee-rfid.org.

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 mocap@ieee-rfid.org.

Check the IEEE RFID 2022 conference website (2022.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 2022 registrations.

About IEEE RFID 2022

The IEEE RFID conference series is co-located with RFID Journal LIVE! the largest tradeshow for the RFID industry. IEEE RFID 2022 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 Technical Committee on Motion and Localization

