# 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=ICSNC+2020+Special**
Please select Track Preference as **MWC**

## Special track

## MWC: Millimeter-Wave Communications

### Chair and Coordinator
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### along with

**ICSNC 2020**, The Fifteenth International Conference on Systems and Networks Communications
October 18, 2020 to October 22, 2020 - Porto, Portugal
https://www.iaria.org/conferences2020/ICSNC20.html

The rapid proliferation of wireless smart terminals and their emerging applications demand high speed and low latency data transmission in an already overcrowded spectrum. One promising solution to overcome the spectrum crunch at lower frequencies is to utilize the bandwidth available at the millimeter-wave (mmWave) frequencies (30-300 GHz). The abundance of bandwidth available at this band enables low-latency communication and giga-bit-per-second data rates for next-generation Internet of Things (IoT) and cellular network, i.e., (6G) wireless communication networks and beyond, applications.

Despite the enormous benefits, operating in the mmWave frequencies in practice faces many challenges such as higher free-space-path loss, sensitivity to blockages, hardware complexity, larger noise power, and limited scattering which impacts diversity and multiplexing gains.

The aim of the Millimeter-Wave Communications (MWC) special track is to explore and discuss technical breakthroughs in this area and shed light on future directions.

**This track solicits original contributions in, but not limited to**, the following topics:
- Performance analysis and optimization
- Massive MIMO
- Hybrid analog/digital beamforming and precoding schemes
- Channel modeling and estimation
- Antenna and beamforming design
- Efficient transceiver design
- New waveforms and multiple access
- Cooperative transmission for mmWave networks
- New applications, e.g. V2X, UAVs, D2D
- Joint communication-radar systems
- Physical-layer security

- Energy harvesting

**Important Datelines**
*Inform the Chairs (see Contacts below): as soon as you decide to contribute*
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.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**
**https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICNSC+2020+Special**
Please select Track Preference as **MWC**

**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

**Contacts**
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