

# Call for Papers for THz Communications Symposium in IWCMC 2021

## General Info

The 17<sup>th</sup> International Conference on Wireless Communications and Mobile Computing (IWCMC 2021) will be held in Harbin, China from June 28 to July 2, 2021 under the theme of *Communications with Intelligence*.

For more information, visit <https://iwcmc.org/2021/>.

## Location

Harbin is the provincial capital of Heilongjiang province, People's Republic of China. Harbin serves as a key political, economic, scientific, cultural and communications hub in Northeast China, as well as an important industrial base of the nation. Harbin, whose name was originally a Manchu word meaning "a place for drying fishing nets", grew from a small rural settlement on the Songhua River to become one of the largest cities in Northeast China. Founded in 1898 with the coming of the Chinese Eastern Railway, the city first prospered as a region inhabited by an overwhelming majority of immigrants from the Russian Empire.



With its often harsh winters, Harbin is heralded as the Ice City for its well-known winter tourism and recreations. Harbin is notable for its ice sculpture festival in the winter. Besides being well known for its historical Russian legacy, the city serves as an important gateway in Sino-Russian trade today. In the 1920s, the city was considered China's fashion capital since new designs from Paris and Moscow reached here first before arriving in Shanghai. The city was voted "China Top Tourist City" by the China National Tourism Administration in 2004.

## Scope

Prospective authors are invited to submit original technical papers up to 6 pages of length, using the EDAS link <https://edas.info/newPaper.php?c=27591&track=102918>. All accepted papers will be indexed in the Engineering Index (EI). Authors are welcome to submit papers with topics including but not limited to

- Terahertz channel modelling
- Channel estimation for terahertz communications
- Modulation for terahertz communications
- Coding for terahertz communications
- Communication protocols for terahertz systems

- Antenna design for terahertz systems
- Terahertz wireless/optical communications and applications
- Terahertz indoor communications
- Advanced signal processing techniques for terahertz communications
- Micro-machined circuits for terahertz applications
- Filter design and ultra-low-resolution receivers
- Terahertz-based ultra-high bandwidth wireless access networks
- Terahertz wireless instruments, devices and components
- Sensing using terahertz waves
- Reconfigurable intelligent surfaces for terahertz communications
- Information theoretic analysis of terahertz communications

## Organizers

Authors are welcome to contact the chair and co-chairs of the symposium on relevant issues.

### Chair:

**Richie Leo**, ZTE Corporation, China, [richie.leo@zte.com.cn](mailto:richie.leo@zte.com.cn)

### Co-chairs:

**Zhi Chen**, University of Electronic Science and Technology of China, China, [chenzhi@uestc.edu.cn](mailto:chenzhi@uestc.edu.cn)

**Claudio Paoloni**, Lancaster University, United Kingdom, [c.paoloni@lancaster.ac.uk](mailto:c.paoloni@lancaster.ac.uk)

**Bo Ai**, Beijing Jiaotong University, China, [boai@bjtu.edu.cn](mailto:boai@bjtu.edu.cn)

**Hadi Sarieddeen**, King Abdullah University of Science and Technology, Saudi Arabia, [hadi.sarieddeen@kaust.edu.sa](mailto:hadi.sarieddeen@kaust.edu.sa)

**Kazi Mohammed Saidul Huq**, University of South Wales, United Kingdom, [kazi.huq@southwales.ac.uk](mailto:kazi.huq@southwales.ac.uk)

## Important Dates

Paper Submission deadline: **10 January, 2021**

Notification of acceptance: **30 March, 2021**

Camera-ready registration: 30 April, 2021

## Awards

Within this symposium there will be one Best Overall Paper Award and one Best Student Paper Award.

## Venue

The conference will be held in the [Shangri-La Hotel](#) which is nestled along the serene Songhua River.