



The workshop:

The International Graduate Workshop is directed by Tongji University, China and will be organized annually. The third workshop will take place at the **Universidade da Coruña, Galicia, Spain** in **July(the specific date need to be confirmed), 2019**. The workshop aims at promoting academic exchanges among graduate students from universities both in China and Spain, and provides an overview of the current research advances on channel modelling for fifth generation communications, covering (but not limited to) topics such as high frequency systems, massive-MIMO communications, full-duplex schemes, vehicle communications, ground-to-air scenarios optical communications as well as other related research topics, e.g. 5G coding, network optimization, improvements to the radio access network, optimization of the radio resource control, etc.

Format of the workshop

Oral Sessions:

The workshop collects papers submitted by graduate students. Review processes are undergone before acceptance. The workshop is constituted with several oral sessions in which accepted papers should be presented by the author.

Submission guideline

Papers should be submitted in .pdf (preferred) or .docx file format integrated with 1) a cover page including paper title, author affiliation, acknowledgement and any other information related with the authors' identification and 2) the main document including paper title, abstract, key words, and full text to 1830782@tongji.edu.cn or 1832914@tongji.edu.cn

Schedule:

Submission Deadline: March 15, 2019

Acceptance Notification: March 22, 2019

Final Manuscript Due: July 1, 2019

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Topics of interest include but are not limit to, the following:

- Millimeter wave (mm-wave) communications
- Massive Multiple-Input-Multiple-Output (MIMO) communications
- Communications in very high speed scenarios
- Ground-to-air communications
- Air-to-air communications
- Measurement techniques for new generation communication systems
- Experimental evaluation of new modulation techniques and waveforms for 5G systems
- Simulation strategies for channel modelling (e.g. Ray-tracing, Propagation graph, and etc.)
- Cognitive radio schemes
- Cooperative transmit/receive techniques
- User location and tracking in 5G networks
- Digital signal processing in coherent optics
- Object recognition and segmentations
- Semiconductor transistor and device design
- Radar systems
- Cognitive radio schemes
- Computer science