IPIN 2021
ELEVENTH INTERNATIONAL CONFERENCE ON
**INDOOR POSITIONING
AND INDOOR NAVIGATION**
29 Nov. – 2 Dec. 2021, Lloret de Mar, Spain

Special Session
"Data Compression, Data Augmentation and Generative Modeling in Indoor Positioning"

Abstract

An interesting approach that has started being investigated over the last years in the indoor positioning research, is the utilization of methods of data augmentation and synthetization, either by rule-based methods or by the use of generative modeling. At the same time, methods of compression and/or quantization have been applied to fingerprint datasets, aiming to reduce their volume while maintaining a competitive performance. In the long term, a potential appropriate coupling of data augmentation/generation and data compression could lead to datasets that handle well the tradeoff between achievable accuracy and data volume.

In this Special Session, we invite authors to submit papers related (but not limited) to:
- Data compression and/or quantization in indoor positioning
- Data augmentation methods for indoor positioning
- Generative modeling in indoor positioning

Authors are invited to submit papers presenting innovative ideas in the topic as well as papers reviewing the relevant State-of-the-Art. Although not mandatory, papers having open-code and open-data are greatly encouraged.

Keywords

Data Compression, Data Augmentation, Data Generation, Generative Modeling

Technical Program Committee

- Grigorios Anagnostopoulos
- Joaquin Torres-Sospedra
- Jari Nurmi
- Elena-Simona Lohan
- Boris Chidlovskii
- Leonid Antsfeld
- Seung-Hoon Hwang
- Hua Zhang
- Seyed Ali Ghorashi
- Han Zou
- Renato Miyagusuku
- Weizhu Qian

Important Dates

- Submission deadline: 15 May 2021
- Notification of acceptance: 21 June 2021

Manuscripts are submitted according to the IPIN 2021 Conference instructions for authors. Papers undergo a single-blind review process by at least two reviewers. Accepted regular papers are submitted to IEEE Xplore Digital Library, accepted WiP papers to CEUR-WS.org, which is currently indexed by Scopus, Ei Compendex and DBLP.

Submit your paper now in *https://www.softconf.com/l/ipin2021* If you have any further questions, please contact Grigorios Anagnostopoulos (Grigorios.Anagnostopoulos@hesge.ch)