



Call for Papers for the exp.at'19 Special Track AQM'19 "Air Quality Monitoring"

Experiment@International Conference 2019, *exp.at'19*, <http://expat.org.pt/expat19/>

exp.at'19 is the 5th event of the conference series *exp.at'xx*. The conference will be held at the University of Madeira (Funchal, Madeira Island, Portugal) on June 12-14, 2019, and is a joint organization of University of Porto and University of Coimbra with the collaboration of University of Madeira. The conference will feature the technical support of IEEE (IEEE Industrial Electronics Society and IEEE Education Society) and the Portuguese Engineers Association.

AQM'19, the Special Track "Air Quality Monitoring" within *exp.at'19*, aims at creating a forum to discuss the development and use of different methodologies and technologies for air quality monitoring in real-time and in a distributed manner. The development of reliable approaches based on low-cost sensors is of great importance to measure the air-quality and provide real-time data. Authors are invited to bring their theoretical and practical studies, developments, and/or experimental validations of new approaches or new uses of existing systems that may contribute for the improvement of systems and platforms for air quality monitoring and public information.

Topics of Interest (not limited to):

- **Technologies for Air Quality Monitoring (AQM):** *Low-Cost Sensors, Electronic Systems;*
- **Methodologies for AQM:** *Data Analytics, Machine Learning Applied to Data Processing of Low Cost Sensors, Remote and Virtual Experiments, Integration of Air Quality Modeling and Monitoring Methods;*
- **Accuracy of low cost sensors:** *Assessment of Uncertainties in Air Quality Data, Results of Measurement Campaigns in the Field;*
- **Platforms for Air Quality Data Management:** *Web Platforms, Mobile Applications, Real-time Systems for Air Monitoring, Distributed Systems, Smart Environments, Citizen Awareness and Participation in Air Quality Monitoring, IoT in air quality monitoring.*

Important Dates

Submission of full papers (4-6 pages) February 1, 2019	Early Author registration April 15, 2019
Notification of acceptance March 15, 2019	Pre-conference Activities June 11, 2019
Camera-ready due April 15, 2019	Conference dates June 12-14, 2019
	Social Activities June 15, 2019

Conference Language, Review Process and Publications

The official language of the Conference is English. The articles and extended abstracts (demos) will be under double blind peer review process. Accepted papers and demos will be published in electronic format and will be submitted for acceptance into the IEEE Xplore® paper database. IEEE Xplore® will index accepted papers and demos meeting IEEE requirements of content and format. A number of selected, high-quality, papers will be invited for publication in international journals.

Submission

Articles (full papers with 4-6 pages) submitted to the exp.at'19 Special Track *AQM'19* will follow the EasyChair platform.

exp.at'19 General Chairs

Alberto Cardoso
University of Coimbra, PT

Maria Teresa Restivo
University of Porto, PT

AQM'19 Special Track Chairs

Catarina Silva
CISUC - University of Coimbra, PT

Jesús Logano Rogado
University of Extremadura, ES

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