

Committees. If you work in Intelligent Transportation Systems and you see there is technical gap we have in the space covered by our technical committees structure, and you are and ITSS member and you would like to lead that new Technical Committee, you are kindly invited to submit your proposal for the creation of that new TC. Each proposal should include:

- 1) Title of the Technical Committee
- 2) Description of the scope and topics that are pretended to be covered with this new TC

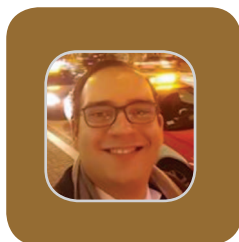
- 3) Work plan for, at least, a year ahead, with a minimum of two activities per year.
- 4) A list of at least 8 potential committee members
- 5) Your commitment to attending our yearly ITSS Technical Activities Board (TAB) meeting, which are typically organized around the ITSS ITSC conference series. You could send a representative from your committee list.
- 6) A brief Bio highlighting your accomplishments regarding the Technical Committee topics.

Please, send all of that in a single document to: javier.sanchez.medina@ieee.org

You could also suggest a new technical committee to be created without running to chair it. All constructive suggestions are welcome! Thank you!

Thanks for your attention, hoping for us to meet at some of our conferences and events, stay safe!

*Javier J. Sánchez-Medina
IEEE ITSS Vice-president for
Technical Activities*



Luis Moreira-Matias

ITSS Technical Activities Spotlight

Getting to Know the Big Data and AI for Mobility Technical Committee

The recent technological advances on telecommunications create a new reality on mobility sensing. Digital devices are now ubiquitous and able to broadcast rich information about human mobility in real-time. Such fact exponentially increased the availability of large-scale mobility data (i.e. Big Data) which has been popularized in the media as the new currency, fueling the future vision of our smart cities that will transform our lives. The reality is that we just began to recognize significant research challenges across a spectrum of topics. Consequently, there is an increasing interest among different research communities (ranging from civil engineering to computer science) and industrial stakeholders on build Artificial Intelli-

gence applications leveraging on such data sources.

Data-driven ITS are a natural consequence of this recent technological context, where commercial solutions already started to follow such trend. Examples enclose intelligent routing applications for private vehicles, ridesharing services, advanced traffic incident and congestion prediction systems or even dynamic pricing tools (e.g. Mobility as a Service).

The IEEE ITSS TC on “Big Data and AI for Mobility” intend to promote activities within the IEEE ITSS that bring together cross-domain experts with interests in Artificial Intelligence topics for Knowledge Discovery, Predictive Analytics, and Intelligent Sequential Decision Making Processes (i.e. contextual Reinforcement Learning) as well as Game Theory equilibrium-seeking applications to

Mobility and Transport in general. The ultimate goal is to promote collaborations and cross-disciplinary research that can trigger joint and yet sustainable roadmaps, from automotive and IT industrial stakeholders to governmental and ethic-related organizations. Our activities will range from regular workshops, hands-on tutorials, machine learning/data mining hackathons as well as industry-academy keynotes and debates where topics around present and the future Big Data and AI applications to mobility-related problems will be the main focus. If you have interest on serving and/or attending these activities, please e-mail us here: luis.moreira.matias@gmail.com.

*Luis Moreira-Matias (Ph.D.)
“Big Data and AI for Mobility”
TC Chair*

