

Special Session proposal for 2015 International Work-Conference on Time Series

Proposal From: María Isabel García Arenas, Pedro Castillo Valdivieso and Antonio Fernández Ares.

During the last ten years the concept of smart city have been reviewed and adapted year by year. Today smart city is a term which is related with reducing costs and resource consumption in the city.

Related with this subject, there are several research groups investigating on traffic flow across the cities or optimization of routes inside the cities because the traffic flow affect directly to resource consumption.

The first step to research about a subject is to know it as well as possible. So, we propose to organise a special session related with traffic flow series and their forecasting.

This special session mainly focuses on the description, designing and implementation of techniques which can exploit data related with traffic flow, but you can present your project related with smart city concept or your result about any traffic flow time series.

If you do not work usually with traffic flow series, we right to make available five time series with different features that you can check in <http://geneura.ugr.es/timeseries/>. This web page includes five time series with different features. You even can check your forecasting using the services section. These time series include the number of vehicles that have been detected on several type of roads.

Moreover, the introduction for projects or for applications or for approaches to solve real-world problems related with the main goal of this special session, traffic, would be also welcomed.

In addition, this session would cover multi-disciplinary and transversal aspects, since a variety of soft computing, mathematical or statistics approaches or methods can be adapted to use traffic flow series.