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Studying real traffic and mobility scenarios for a Smart City using a new nonitoring and tracking system

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We consider that the highlights of this work are:

- Presentation a new mobility monitoring and tracking system
- Implemented as a low-cost single-board device
- Designing of a set of software tools and customized O.S. for the devices
- We have deployed a network of nodes in a real city (urban and interurban locations)
- We analyse four real scenarios:
 - o Discotheque: mobility of people inside a building
 - o Public building: in/out patterns
 - o Highway: analysis of transit indicators, traffic forecast
 - o Main street: analysis of displacements during rush hours
- Application of Data Mining, Times Series Forecast and Statistical tests to real data

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