This volume includes 21 state of the art research papers that were carefully reviwed and selected. This edition includes evaluation of systems designed to manage vehicular traffic and detection of risky driving behavior patterns in urban environments. Study of sensor networks is also covered by projects that propose an architecture platform for opportunistic and participative sensing, and analyze performance of MAC protocols in wireless sensor networks. In the area of decision-making authors describe schemes for acting in emergency events such as forest fires, and describe a pattern learning mechanism for assisting medical decisions. Topics also covered in this issue include web services, IT and education, smart cities and urban environments.

With a participation of 38 submitting Mexican universities and research centers this proceedings are an important reference of the topics that Mexican researchers are currently investigating. Future research directions can be taken from the results that researchers are presenting.

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