This volume contains 28 papers to be presented in the 8th International Conference on Intelligent and Information Technologies (CITII 2012), which was held on October 22-26, 2012 at the Instituto Tecnológico de Apizaco, México. The conference received 68 submissions by 176 authors from 5 countries for evaluations, which were carefully reviewed and selected by an international programme committee. The papers in this volume are structure into eleven thematic fields representative of the main current areas of interest within the intelligent and information technologies, such as:

Agents and Multi-Agent Systems
Human-Computer Interaction
Computational Intelligence
Robotics and Intelligent Control
Artificial Vision
Databases
Software Engineering
Computer Networks and Communications
Web Based Systems
Systems Distributed and Parallel
Machine Learning and Data Mining

The volume will be useful for researches and students working in the respective areas of the intelligent and information technologies, as well as, for all readers interested in intelligent and information applications.

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