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Application and Multidisciplinary Aspects of Wireless Sensor Networks

Concepts, Integration, and Case Studies

Springer
Foreword: Creativity in Science

Creativity is sought everywhere: in the arts, entertainment, business, mathematics, engineering, medicine, the social sciences, and the physical sciences. Common elements of creativity are originality and imagination. Creativity is intertwined with the freedom to design, to invent, and to dream. In engineering and science, however, creativity is useful only if it fits into the realities of the physical world. A creative idea in science or engineering must conform to the law of conservation of energy (including the mass energy $m c^2$). An inventor that thinks that she or he knows how to violate the conservation of energy will have to disprove a vast amount of laboratory measurements and accepted theory.

Martin Perl
M. Perl
Stanford University, Nobel Laureate
Preface

This edited book is a result of the EU FP7 project ProSense (*Promote, Mobilize, Reinforce and Integrate Wireless Sensor Networking Research and Researchers: Towards Pervasive Networking of West Balkan Countries and the EU, grant agreement 205494*) related to wireless sensor networks (WSN). All the authors of specific chapters in this book have contributed to the project in the period March 2008–March 2010. Working on the project, they had a chance to master the specific domains of this newly emerging field, which enables this book to represent a wholistic coverage of WSN. Chapters are lined up according to the topic they cover, and the authors of the chapters are lined up according to the size of their contribution. The five editors of the book (listed in alphabetical order) are Liljana Gavrilovska, Srdjan Krco, Veljko Milutinovic, Ivan Stojmenovic, and Roman Trobec.

Their major role was to help create the overall structure of the book and to help the talents of the contributing authors to generate their best. They are responsible for the final quality control, having in mind that one of the major purposes of the book is to serve as a support for the educational process at universities. They are also responsible for inducing creativity among young researchers on the project, along the lines expressed by Martin Perl in his foreword.

December 2009

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