Foreword

Provide computing and communication services anytime and everywhere. Some decades ago, it would be only a weak possibility. Due to the intensive work of researchers, professionals, academy and industry on such a challenge, we can say that it is a reality. A great example is the relevant contribution materialized in this book. If you are just beginning to think about the ubiquitous and pervasive computing, or if you are researching or applying it, this book will provide you important elements.

Relevant topics concerning wireless sensor network advances, experiences, challenges and trends provide a wide and rich context of the area. Subjects on self-organizing networks, hybrid intelligent systems, smart pervasive environments and uncertainty brings the state of the art. Some chapters deal with motivating technologies, such as data capture, monitoring, data fusion, oil production and eHealth. Challenging topics include voice interface, disability, low power, middleware, interference and mobility.

Significant and decisive advances come from from hard work. Designing Solutions-Based Ubiquitous and Pervasive Computing: New Issues and Trends is an academic effort that will certainly provide a solid reference for researchers and professionals engaged in ubiquitous and pervasive computing. My pleasure and honor to write a foreword for the work delivered with competence and commitment of many colleagues, specially the editors, that have been dedicated to publish a relevant and qualified document. In a few words, thank you all for the precious work.

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