

Preface

This book contains a selection of papers accepted for presentation and discussion at The 2016 International Conference on Software Process Improvement (CIMPS'16). This Conference had the support of the CIMAT A.C. (Mathematics Research Center/Centro de Investigación en Matemáticas), CANIETI (Cámara Nacional de la Industria Electrónica, de Telecomunicaciones y Tecnologías de la Información), ITA (Instituto Tecnológico de Aguascalientes, México), AISTI (Iberian Association for Information Systems and Technologies/Associação Ibérica de Sistemas e Tecnologias de Informação), ReCIBE (Revista electrónica de Computación, Informática, Biomédica y Electrónica). It took place at Instituto Tecnológico de Aguascalientes, Aguascalientes, México, from 12th to 14th October 2016.

The International Conference on Software Process Improvement (CIMPS) is a global forum for researchers and practitioners that present and discuss the most recent innovations, trends, results, experiences and concerns in the several perspectives of Software Engineering with clear relationship but not limited to software processes, Security in Information and Communication Technology and Big Data Field. One of its main aims is to strengthen the drive towards a holistic symbiosis among academy, society, industry, government and business community promoting the creation of networks by disseminating the results of recent research in order to aligning their needs. CIMPS'16 built on the successes of CIMPS'12, CIMPS'13, CIMPS'14, which took place on Zacatecas, Zac, and CIMPS'15 which took place on Mazatlán, Sinaloa, México.

The Program Committee of CIMPS'16 was composed of a multidisciplinary group of experts and those who are intimately concerned with Software Engineering and Information Systems and Technologies. They have had the responsibility for evaluating, in a 'blind review' process, the papers received for each of the main themes proposed for the Conference: Organizational Models, Standards and Methodologies, Knowledge Management, Software Systems, Applications and Tools, Information and Communication Technologies and Processes in non-software domains (Mining, automotive, aerospace, business, health care, manufacturing, etc.) with a demonstrated relationship to software process challenges.

CIMPS'16 received contributions from several countries around the world. The papers accepted for presentation and discussion at the Conference are published by Springer (this book) and, extended versions of best selected papers will be published in relevant journals, including SCI/SSCI and Scopus indexed journals.

We acknowledge all those who contributed to the staging of CIMPS'16 (authors, committees and sponsors); their involvement and support is very much appreciated.

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Trends and Applications in Software Engineering

Proceedings of CIMPS 2016

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