Patricia Pesado Claudio Aciti (Eds.)

Communications in Computer and Information Science

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Computer Science – CACIC 2018

24th Argentine Congress Tandil, Argentina, October 8–12, 2018 Revised Selected Papers



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Preface

Welcome to the proceedings of the XXIV Argentina Congress of Computer Science (CACIC 2018), held in Tandil, Buenos Aires, Argentina, during October 8–12, 2018. CACIC 2018 was organized by the National University of the Center (Buenos Aires) on behalf of the Network of National Universities with Computer Science Degrees (RedUNCI).

CACIC is an annual congress dedicated to the promotion and advancement of all aspects of computer science. Its aim is to provide a forum within which the development of computer science as an academic discipline with industrial applications is promoted, trying to extend the frontier of both the state of the art and the state of the practice. The main audience for and participants of CACIC are seen as researchers in academic departments, laboratories, and industrial software organizations.

CACIC 2018 covered the following topics: intelligent agents and systems; distributed and parallel processing; software engineering; hardware architecture; networks and operating systems; graphic computation, visualization, and image processing; computer technology applied to education; databases and data mining; innovation in software systems; computer security, innovation in computer science education; signal processing and real-time system; digital governance and smart cities.

This year, we received 155 submissions. Each submission was reviewed by at least two, and on average 3.2, Program Committee members and/or external reviewers. A total of 116 full papers, involving 368 different authors from 52 universities, were accepted. According to the recommendations of the reviewers, 26 of them were selected for this book.

During CACIC 2018, special activities were also held, including two plenary lectures, one discussion panel, four invited speakers, a special track on Digital Governance and Smart Cities, and an International School with six courses.

Special thanks are extended to the members of the different committees for their support and collaboration. Also, we would like to thank the local Organizing Committee, reviewers, lecturers, speakers, authors, and all conference attendees. Finally, we want to thank Springer for their support of this publication.

April 2019 Patricia Pesado

Organization

The XXIV Argentine Congress of Computer Science (CACIC 2018) was organized by the School of Computer Science of the National University of the Center (UNICEN) on behalf of the Network of National Universities with Computer Science Degrees (RedUNCI).

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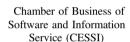
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Contents

Agents and Systems

Solving the Multi-Period Water Distribution Network Design Problem with a Hybrid Simulated Anealling	3
Distributed and Parallel Processing	
Checkpoint and Restart: An Energy Consumption Characterization in Clusters	19
Energy Consumption Analysis and Time Estimation Model in GPU Cluster and MultiGPU in a High Computational	34
Demand Problem Erica Montes de Oca, Laura De Giusti, Armando De Giusti, and Marcelo Naiouf	34
Technology Applied to Education	
Advances in Test Personalization and Adaptation in a Virtual Learning Environment	49
Learning Objects. Case Studies	62
A Nomadic Testbed for Teaching Computer Architecture	74
Graphic Computation, Images and Visualization	
Evaluating an End-to-End Process for Herpetological Heritage Digital Preservation	91

Raul Mendez, Rodolfo Cardozo, José Luis Vázquez Noguera, Horacio Legal-Ayala, Julio César Mello Román, Sebastian Grillo, and Miguel García-Torres	109
An Approach to Automated Recognition of Pavement Deterioration Through Machine Learning	124
and Diego C. Martínez	
Software Engineering	
White-Box Testing Framework for Object-Oriented Programming. An Approach Based on Message Sequence Specification	
and Aspect Oriented Programming	143
Proposal for a Model of a Computer Systems Implantation	
Process (MoProIMP)	157
Storage Space Use in Mobile Applications	171
Scrum Towards IRAM-ISO 9001:2015. Integrating	
Documentation Required	183
Databases and Data Mining	
Discovering Association Rules Using R. A Case Study	
on Retail's Database	199
D3CAS: Distributed Clustering Algorithm Applied	
to Short-Text Stream Processing	211
Market Segmentation Using Data Mining Techniques	
in Social Networks	221

Contents

xiii

xiv Contents

Combining Artificial Intelligence Services for the Recognition	
of Flora Photographs: Uses in Augmented Reality and Tourism	367
Guillermo Feierherd, Federico González, Leonel Viera, Rosina Soler,	
Lucas Romano, Lisandro Delía, and Beatriz Depetris	
Author Index	377