

# TABLE OF CONTENTS

- 13 XV Intelligent Agents and Systems Workshop**  
Swarm Intelligence Algorithms on GPUs: One Exhaustive Revision  
*Silvia Marta Molina, María Fabiana Piccol, Guillermo Leguizamón*  
Applying CHC Algorithms on Radio Network Design for Wireless Communication  
*Daniel Molina, Daniel Pandolfi, Andrea Villagra, Guillermo Leguizamón*
- 39 XIV Distributed and Parallel Processing Workshop**  
Methodology to predict the energy consumption of checkpoints in HPC system  
*Javier Balladini, Marina Morán, Dolores Rexachs, Emilio Luque*  
Performance tuning of the HDA\* algorithm for multicore machines  
*Victoria Sanz, Armando E. De Giusti, Marcelo Naiouf*
- 63 XII Information Technology Applied to Education Workshop**  
Determining the Profiles of Young People from Buenos Aires with a Tendency to Pursue Computer Science Studies  
*María Emilia Charnelli, Laura Lanzarini, Guillermo Baldino, Javier Diaz*  
A Novel Authoring Tool for Augmented Books  
*Nicolás Fernando Gascón, Silvia Castro*  
Participation Metrics within Virtual Collaborative Workspaces Oriented to Generation of Didactic Interventions  
*Norberto Charczuk, Darío Rodríguez, Ramon Garcia Martinez*
- 99 XII Graphic Computation, Images and Visualization Workshop**  
Time of Flight Image Segmentation through Co-Regularized Spectral Clustering  
*Luciano Lorenti, Javier Giacomantone*  
Biometric Iris Identification in Bovines  
*Juan I. Larregui, Joaquín Espinosa, María Luján Ganuza, Silvia Castro*
- 123 XI Software Engineering Workshop**  
Integrating Software Metrics for Fortran Legacy into an IDE  
*Mariano Mendez, Fernando G. Tinetti*  
Design and Implementation of a Faceted Scheme for Publication and Retrieval of Aspects  
*Graciela Vidal, Sandra I. Casas*

Evolution of a Ranking Algorithm for Scientific Documents in the Computer Science Area

*Horacio Kuna, Esteban Martini, Martín Rey*

A metamodel for assisting dynamic component composition of a Software Product Line

*Maximiliano Arias, Agustina Buccella, Matias Polla, Alejandra Cechich*

**169 XI Database and Data Mining Workshop**

Identifying Featured Articles in Spanish Wikipedia

*Lian Pohn, Edgardo Ferretti, Marcelo Errecalde*

**183 IX Architecture, Nets and Operating Systems Workshop**

WDM Network Design with Node Protection An approach based on MOACO

*Carlos Bellino, Aditardo Vazquez, Diego Pinto*

Evaluation of Scheduling Algorithms on an Asymmetric Multicore Prototype System

*Adrián Pousa, Juan Carlos Saez, Armando E. De Giusti, Manuel Prieto*

IPv6: Comparison of mobile environments in academic

*Carlos Taffernaberry, Sebastián Tobar, Gustavo Mercado, Joel Noguera,*

*Cristian Perez Monte, Raul Moralejo, Santiago Pérez*

**217 VI Innovation in Software Systems Workshop**

The Challenge of Being a Product Owner PO's Responsibilities in Agile Projects

*Marcelo Estayno, Judith Meles*

A Support System for the Diagnosis of Balance Pathologies

*Augusto Villa Monte, Facundo Quiroga, Franco Ronchetti, César*

*Estrebou, Laura Lanzarini, Pedro M. Estelrreich, Claus Estelrreich,*

*Raimundo Giannecchini*

**243 V Signal Processing and Real-Time Systems Workshop**

Emotional Status Focused on Stimuli by Applying Brain-Machine Interface

*Jorge Ierache, Facundo Nervo, Gustavo Pereira, Juan Iribarren*

**257 III Computer Security Workshop**

Trivium vs. Trivium Toy

*Antonio Castro Lechtaler, Marcelo Cipriano, Edith Garcia, Julio*

*Liporace, Ariel Maiorano, Eduardo Malvacio*

**271 III Innovation in Computer Science Education Workshop**

Tools for discovering vocations towards Computer Science

*Sonia V. Rueda, Andrea Cohen, Telma Delladio, Sebastián*

*Gottifredi, Luciano H. Tamargo*

Design of a Game Based on Tangible Interaction for Teaching Programming

*Verónica Artola, Cecilia Sanz, Gladys Gorga, Patricia Pesado*

T-World: a graphical, flexible and portable environment for teaching and research on intelligent agents

*Sergio Burdisso, Guillermo Aguirre, Marcelo Errecalde*