This edition Supercomputing in Mexico: Where High Performance Computing Flies presents 14 original peer reviewed research papers written by 44 authors from México, Europe, United States, and Latin America. These works cover five thematic fields in the area of supercomputing. The four thematic fields include:

Applications
Cloud Computing
Grids/GPU´s
Infrastructure
Parallel Computing
Scheduling

The contents of this 5th volume, first edition can be of interest to computer science and engineering researchers, undergraduate and graduate students, professionals, and researchers working on HPC, as well as the general public interested in current research in Supercomputing.

Dr. Moisés Torres Martinez

ISBN:
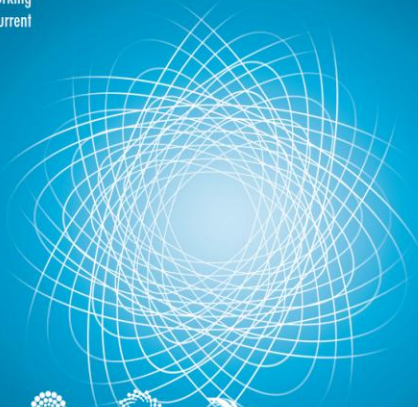
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WHERE HIGH PERFORMANCE COMPUTING FLIES

Supercomputing in Mexico

Universidad de Guadalajara

Editor: Dr. Moisés Torres Martínez

Dr. Moisés Torres Martinez, Editor

WHERE HIGH PERFORMANCE COMPUTING FLIES – ISUM 2014

Participación

Trabajos para revisión	**42**
Instituciones nacionales	**22**
Instituciones Internacionales	**8**
Industria Privada	**4**

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Trabajos Seleccionados

Applications	2
Cloud Computing	2
Grids and GPU´s	5
Infrastructure	1
Parallel Computing	3
Scheduling	1

14 Artículos Seleccionados para publicación

WHERE HIGH PERFORMANCE COMPUTING FLIES – ISUM 2014

Países Representados

Alemania

Argentina

China

Estados Unidos

México

Rusia

Uruguay

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Observaciones

- ➢ **21 Trabajos fueron Seleccionados**
  - **-Solo 14 en la publicación final**
- ➢ **¿Que les falto a los otros 7 trabajos?**
  1. **Cartas de Derechos de Autor**
  2. **Identificación Oficial**
  3. **Entrega en formato IEEE**
  4. **Idioma Ingles**

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Introduction

- **Colaboration among existing and emerging supercomputing Centers**
  - **Agreements between SC´s and Academic Institutions**
  - **Red Mexicana de Supercomputo (RedMexSu)**
- **Balance in Services to Private Industry and Research**

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Sample of Articles in Book

- *Application of an Adaptive Inversion Frequencies Algorithm for Router Bandwidth Improvement"-* Evgeniy Kravtsunov , Timur Mustafin , Andrei Tchernykh ,Valery Perekatov, Alexander Drozdov

- *"Model of Video on Demand Service Provisioning on Multiple Third Party Cloud Storage Services"* presented by the authors Barba Jimenez, Ramirez Velarde, and Tchnerykh

- *"Semi-automatic Historical Climate Data Recovering Using a Distributed Volunteer Grid Infrastructure"* by Nesmachnow and Da Silva.

  - *"Straightforward DSP Algorithm Suitable for GPU Computation"* by Hazas Izquierdo, Rodriguez Navarro, Faz Gutierrez and Salazar Orozco

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7. CUDI
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