

INFO COMP

Journal of Computer Science

Ministério da Educação

Ministro: Fernando Haddad

Reitor: Antônio Nazareno Guimarães Mendes

Vice-Reitor: Ricardo Pereira Reis

Pró-Reitor de Pesquisa: José Roberto Soares Scolforo

Editora UFLA

Diretoria Executiva: Marco Antônio Rezende Alvarenga (Diretor)

Nilton Nagib J. Chalfun

Francisval de Melo Carvalho

VOLUME 6 – N.1 – 2007

Editorial Board

Editor-in-Chief

Luiz Henrique Andrade Correia, UFLA, Brazil

Executive Editor

Heitor Augustus Xavier Costa, UFLA, Brazil

Scientific Editors

Cláudia Linhares Sales, UFC, Brazil

Horácio Hideki Yanasse, INPE, Brazil

João M. R. da S. Tavares, FEUP, Portugal

Luiz Valter Brand Gomes, UFF, Brazil

Maria Luiza D'Almeida Sanches, UFF, Brazil

Muthu Ramachandran, Leeds Metr. Univ., UK

Nei Yoshihiro Soma, ITA, Brazil

Rudini Menezes Sampaio, UFLA, Brazil

Associate Editors

Adolfo G. S. Seca Neto, IME, USP, Brazil

Adriana Giret, DSIC, UPV, Spain

Alessandra Macedo, USP, Brazil

Alessandro Marchetto, Milan University, Italy

Alexandre Álvaro, UFPE, Brazil

Álvaro Rocha, GIMED, Portugal

Anderson de R. Rocha, UNICAMP, Brazil

André Luiz Zambalde, UFLA, Brazil

Andrea Zotovici, Univ. São Judas Tadeu, Brazil

Angelo Conrado Loula, UFFS, Brazil

Antonio Maria Pereira de Resende, UFLA, Brazil

Antonio Pedro Timoszczuk, EPUSP, Brazil

Arnaldo Lyrio Barreto, UFRJ, FGV, Brazil

Ash Mohammad Abbas, Aligarh Muslim Univ., India

Asri Ngadi, Univ. Tech. of Malaysia, Malaysia

Bruno de Oliveira Schneider, UFLA, Brazil

Carlos A. S. Felgueiras, INEB-FEUP, Brazil

Chandra S. Kanagaluru, JNTUCE, Índia

Daniel Mesquita, LIRMM, France

Duong N. Binh Ta, Nanyang Tech. Univ. Singapore

Elijah B. Rajsingh, Deemed University, India

Elisa Huzita, UEM, Brazil

Ernesto Rodrigues, FESP/PR, Brazil

Fabian Corrêa Cardoso, FESURV, Brazil

Fábio Levy Siqueira, EPUSP, Brazil

Fátima L. S. Nunes, CUEM, Brazil

Fernando Koch, Univ. Utrecht, Holland

Fernando Santos Osório, UNISINOS, Brazil

Frank José Affonso, EESC, USP, Brazil

Ganesh D. Bhutkar, Vishwakarma Inst. of Tech., India

Gualberto Rabay Filho, Poli, Madrid, Spain

Heitor Augustus Xavier Costa, UFLA, Brazil

Hernán Astudillo, UTFSM, Chile

Hoang Trung Dinh, National Univ. Singapore

Hyggo Oliveira de Almeida, UFCG, Brazil

Ildeberto A. Rodello, CUEM, Brazil

Isabel Leite Cafezeiro, UFF, Brazil

Janne Y. Y. Oeiras, UNICAMP, Brazil

João Carlos de M. Morselli Jr., PUC-Minas, Brazil

João Eduardo Ferreira, IME/USP, Brazil

João M. R. S. Tavares, FEUP, Portugal

Joaquim Quinteiro Uchôa, UFLA, Brazil

Johan M. Sharif - Swansea Univ., Great Britain

Johannes Mayer, Ulm University, Germany

Jorge Rady Almeida Junior, EPUSP, Brazil

José Luiz de Souza Pio, UFAM, Brazil

Kalinka R. L. J. C. Branco, FESR, Brazil

Kechi Hirma, EPUSP, Brazil

Kelly Christine Correa Silva, ILTC, Brazil

Kleber Rocha de Oliveira, FIB, Brazil

Liliane dos Santos Machado, UFPB, Brazil

Luiz Camolesi Jr., UNIMEP, Brazil

Luiz Carlos Begosso, FEMA, Brazil

Luiz Henrique A. Correia, UFLA, Brazil

Luiz Ricardo Begosso, FEMA, Brazil

Maluk Mohamed, M.A.M., Índia

Marcelo Lobosco, UFJF, Brazil

Marco Aurélio Gerosa, PUC-Rio, Brazil

Marinalva Dias Soares, FABAN, Brazil

Marluce Rodrigues Pereira, UFLA, Brazil

Miguel A. Salido, DSIC, UPV, Spain

Miguel A. R. Gonzalez, Univ. Rostock, Germany

Muthu Ramachandran, Leeds Univ., UK

Nelkis de la Orden Medina, C.A.D.T. Ltda, Brazil

Omar A. C. Cortes, CEFET, MA, Brazil

Paulo Eduardo Ambrósio, CUBM, Brazil

Prabhat Mahanti, Univ. of New Brunswick, Canada

Priti Sajja, Sardar Patel University, India

Ranjit Biswas, Inst. of Tech. & Manag., India

Reghunadhan Rajesh, Bharathiar University, India

Renato de Freitas Bulcão Neto, USP, Brazil

Ricardo Alexandre Afonso, UFPE, Brazil

Robinson Pizzio, UFSC, Brazil

Rodrigo Paes, PUC-Rio, Brazil

Rogéria C. Gratão Souza, UNESP, Brazil

Rogério E. Garcia, UNESP, Brazil

Ronei Moraes, UFPB, Brazil

Rosângela A. D. Penteado, UFSCar, Brazil

Rudini Menezes Sampaio, UFLA, Brazil

Sachin Kumar, CCS University, Índia

Sandro Ronaldo B. Oliveira, UAM, Brazil

Sanjay Garg, A.D. Patel Inst. of Tech., Índia

Sanjeev Sharma, RGTU, India

Seiji Isotani, Osaka University, Japan

Sérgio Martins de Souza, UFLA, Brazil

Siri Krishan Wasan, JMI, CU, Índia

Sudhir Agrawal, Rajiv Gandhi Tech. Univ., Índia

Syed F. Mustafa – Univ. of CAS, China

Udo Fritze Jr., PUC-Poços, Brazil

Valter F. Avelino, EPUSP, Brazil

Vicente Julian, Univ. Polit. de Valencia, Spain

Vinicius Cardoso Garcia, UFPE, Brazil

Vitus S.W. Lam, Univ. of Hong Kong, Hong Kong

Wilian Soares Lacerda, UFLA, Brazil

Yogendra K. Jain, Rajiv Gandhi Tech. Univ., Índia

Technical Staff

Ângela M. S. Gonçalves (Secretary)

Deivson H. R. de Almeida (Secretary)

INFOCOMP – Journal of Computer Science – v.6, n.1 (2007) – Lavras: Universidade Federal de Lavras, 2007.

Anual (1999 - 2003), Semestral (2004), Trimestral (2005 -)

Sumários em Português e Inglês

ISSN 1807-4545

1. Ciência da Computação I. Universidade Federal de Lavras. II. Departamento de Ciência da Computação.

Indexed in:

CiteSeer

DEST

DOAJ

EBSCO

INSPEC

IS Journals

IS World

Solicita-se permuta/Exchange desired Tiragem/Quantity issued per print: 250