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Computational Science and Its Applications – ICCSA 2019

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- Papers
- Volumes
- About

Table of contents

Page of 2
Next

1. Front Matter
   Pages i-xxx
   PDF

2. **Computational Methods, Algorithms and Scientific Applications**

1. Front Matter
   Pages 1-1
   PDF
2. A Variant of the George-Liu Algorithm
   S. L. Gonzaga de Oliveira, A. A. A. M. Abreu, C. Osthoff, L. N. Henderson Guedes de Oliveira
   Pages 3-12
   PDF
3. Numerical Solution of Nonlinear Cross Diffusion Problems
   Günter Bärwolff, Julia Baumbach
   Pages 13-24
   PDF
4. An Experimental Analysis of Heuristics for Profile Reduction
   S. L. Gonzaga de Oliveira, C. Osthoff, L. N. Henderson Guedes de Oliveira
   Pages 25-36
   PDF
5. Computational Peculiarities of the Method of Initial Functions
   Alexander V. Matrosov
   Pages 37-51
   PDF
6. Clustering Data Streams: A Complex Network Approach
   Sandy Porto, Marcos G. Quiles
   Pages 52-65
   PDF
7. Normalized Gain and Least Squares to Measure of the Effectiveness of a Physics Course
   C. A. Collazos, Alejandra Rojas, Hermes Castellanos, Diego Beltrán, César A. Collazos, Darío Melo et al.
   Pages 66-77
   PDF
8. A Model to Study the Strange Quark $s - \bar{s}$ Asymmetry in Nucleon Sea
   I. A. Monroy, J. C. Sanabria, C. A. Collazos
   Pages 78-88
   PDF
9. Economical Sixth Order Runge–Kutta Method for Systems of Ordinary Differential Equations
   Alexey S. Eremin, Nikolai A. Kovrizhnykh, Igor V. Olemskoy
   Pages 89-102
   PDF
10. Dynamic Public Transit Labeling
    Mattia D'Emidio, Imran Khan
    Pages 103-117
    PDF
11. Mobile Localization Techniques Oriented to Tangible Web
    Osvaldo Gervasi, Martina Fortunelli, Riccardo Magni, Damiano Perri, Marco Simonetti
    Pages 118-128
    PDF
12. Influence of Drivers' Behavior on Traffic Flow at Two Roads Intersection
    Ivan Miranda de Almeida, Regina Celia P. Leal-Toledo, Elson M. Toledo, Diego Carrico Cacau, Rene Constâncio Nunes de Lima, Sandra Malta

Pages 129-141
PDF
13. Quantify Physiologic Interactions Using Network Analysis
Thuy T. Pham, Eryk Dutkiewicz
Pages 142-151
PDF
14. Effects in the Algorithm Performance from Problem Structure, Searching Behavior and Temperature: A Causal Study Case for Threshold Accepting and Bin-Packing
V. Landero, Joaquín Pérez, L. Cruz, Tania Turrubiates, David Ríos
Pages 152-166
PDF
15. Towards the Adaptation of an Active Measurement Protocol for Delay/Disruption-Tolerant Networking
Carlos H. Lamb, Bruno L. Dalmazo, Jeferson C. Nobre
Pages 167-178
PDF
16. A Proposal for IP Spoofing Mitigation at Origin in Homenet Using Software-Defined Networking
Manoel F. Ramos, Bruno L. Dalmazo, Jeferson C. Nobre
Pages 179-192
PDF
17. Parallel OpenMP and CUDA Implementations of the *N*-Body Problem
Tushaar Gangavarapu, Himadri Pal, Pratyush Prakash, Suraj Hegde, V. Geetha
Pages 193-208
PDF
18. Minimizing the Energy of a Quad Rotor in Free Final Time Using Bocop Software
Lounis Abbes, Kahina Louadj, Philippe Marthon, Abdelkrim Nemra, Mohamed Aidene
Pages 209-221
PDF

3. **High Performance Computing and Networks**

1. Front Matter
Pages 223-223
PDF
2. Modeling Energy Consumption Based on Resource Utilization
Lucas Venezian Povoa, Cesar Marcondes, Hermes Senger
Pages 225-240
PDF
3. Silent Consensus: Probabilistic Packet Sampling for Lightweight Network Monitoring
Marcel Wallschläger, Alexander Acker, Odej Kao
Pages 241-256
PDF
4. A Knowledge-Based Computational Environment for Real-World Data Processing
Man Tianxing, Nataly Zhukova, Vasily Meltsov, Yulia Shichkina
Pages 257-269
PDF

4. **Geometric Modeling, Graphics and Visualization**

1. Front Matter
Pages 271-271

PDF
2. Adaptive Hierarchical Mesh Detail Mapping and Deformation
Bruno José Dembogurski, Anselmo Antunes Montenegro
Pages 273-288
PDF
3. Multithreading in Laser Scanning Data Processing
Vladimir Badenko, Serafim Tammsaar, Kirill Beliaevskii, Alexander Fedotov, Konstantin Vinogradov
Pages 289-305
PDF
4. Airborne Object Detection Using Hyperspectral Imaging: Deep Learning Review
T. T. Pham, M. A. Takalkar, M. Xu, D. T. Hoang, H. A. Truong, E. Dutkiewicz et al.
Pages 306-321
PDF
5. A New Strategy for Scattered Data Approximation Using Radial Basis Functions Respecting Points of Inflection
Martin Cervenka, Michal Smolik, Vaclav Skala
Pages 322-336
PDF
6. Efficient Simple Large Scattered 3D Vector Fields Radial Basis Functions Approximation Using Space Subdivision
Michal Smolik, Vaclav Skala
Pages 337-350
PDF
7. Human Action Recognition Using Convolutional Neural Networks with Symmetric Time Extension of Visual Rhythms
Hemerson Tacon, André S. Brito, Hugo L. Chaves, Marcelo Bernardes Vieira, Saulo Moraes Villela, Helena de Almeida Maia et al.
Pages 351-366
PDF
8. Simple and Fast $O_{exp}(N)$ Algorithm for Finding an Exact Maximum Distance in E^2 Instead of $O(N^2)$ or $O(N \lg N)$
Vaclav Skala, Michal Smolik
Pages 367-380
PDF

5. **Advanced and Emerging Applications**

1. Front Matter
Pages 381-381
PDF
2. A Machine Learning Approach to the Early Diagnosis of Alzheimer's Disease Based on an Ensemble of Classifiers
Sonia Valladares-Rodríguez, Luis Anido-Rifón, Manuel J. Fernández-Iglesias, David Facal-Mayo
Pages 383-396
PDF
3. Low Bit Rate 2D Seismic Image Compression with Deep Autoencoders
Ana Paula Schiavon, João Paulo Navarro, Marcelo Bernardes Vieira, Pedro Mário Cruz e Silva
Pages 397-407
PDF
4. Application of Artificial Intelligence Methods in Sustainable Building Design
Ewa Gilner, Adam Galuszka, Tomasz Grychowski

Pages 408-417
PDF

6. **Information Systems and Technologies**

1. Front Matter
Pages 419-419
PDF
2. Method of Comprehensive Estimation of Natural and Anthropogenic Territory Safety in the Case of Krasnoyarsk Region
Tatiana Penkova, Anna Metus
Pages 421-433
PDF
3. Investigation of the Hydraulic Unit Operation Features Based on Vibration System Data Mining
Tatiana Penkova, Anna Korobko
Pages 434-446
PDF
4. The Use of Spaceborne and Oceanic Sensors to Model Dengue Incidence in the Outbreak Surveillance System
Kittisak Kerdprasop, Nittaya Kerdprasop, Kacha Chansilp, Paradee Chuaybamroong
Pages 447-460
PDF
5. Anomaly Detection with Machine Learning Technique to Support Smart Logistics
Nittaya Kerdprasop, Kacha Chansilp, Kittisak Kerdprasop, Paradee Chuaybamroong
Pages 461-472
PDF
6. Educational Data Mining: A Profile Analysis of Brazilian Students
Edna Dias Canedo, Heloise Acco Tives Leão, Rhandy Rafhael de Carvalho, Ruyther Parente da Costa, Giovanni Almeida Santos, Marcio Vinicius Okimoto
Pages 473-488
PDF
7. The Pollicina Project: A Social Learning Management System to Create Personalized Cultural Itineraries
Silvia Calegari, Paolo Avogadro, Floriana Meluso, Matteo Dominoni
Pages 489-503
PDF
8. Use of AHP and Promethee for Research Project Portfolio Selection
Heloise Acco Tives Leão, Edna Dias Canedo, Pedro Henrique Teixeira Costa, Márcio Vinicius Okimoto, Giovanni Almeida Santos
Pages 504-517
PDF
9. A Two-Phase Bug Localization Approach Based on Multi-layer Perceptrons and Distributional Features
Damiano Distante, Stefano Faralli
Pages 518-532
PDF
10. Development of a Technological Platform for Knowledge Discovery
Nadezhda Yarushkina, Aleksey Filippov, Vadim Moshkin
Pages 533-544
PDF
11. Integration of Fuzzy OWL Ontologies and Fuzzy Time Series in the Determination of Faulty Technical Units
Nadezhda Yarushkina, Ilya Andreev, Vadim Moshkin, Irina Moshkina

Pages 545-555
PDF
12. Usage of Multiple RTL Features for Earthquakes Prediction
P. Proskura, A. Zaytsev, I. Braslavsky, E. Egorov, E. Burnaev
Pages 556-565
PDF
13. Privacy vs. Utility: An Enhanced K-coRated
Ze Xiang, Ghada El-Haddad, Esma Aïmeur
Pages 566-578
PDF
14. Polarity Classification of Tweets Considering the Poster's Emotional Change by a Combination of Naive Bayes and LSTM
Kiichi Tago, Kosuke Takagi, Qun Jin
Pages 579-588
PDF
15. Investigating Cyclic Visit Pattern of Mobility Through Analysis of Geopositioning Data
Ha Yoon Song, Suchan Hong
Pages 589-602
PDF

Page of 2
Next

Other volumes

1. Computational Science and Its Applications – ICCSA 2019
19th International Conference, Saint Petersburg, Russia, July 1–4, 2019, Proceedings, Part I
2. Computational Science and Its Applications – ICCSA 2019
19th International Conference, Saint Petersburg, Russia, July 1–4, 2019, Proceedings, Part II
3. Computational Science and Its Applications – ICCSA 2019
19th International Conference, Saint Petersburg, Russia, July 1–4, 2019, Proceedings, Part III
4. Computational Science and Its Applications – ICCSA 2019
19th International Conference, Saint Petersburg, Russia, July 1–4, 2019, Proceedings, Part IV
5. Computational Science and Its Applications – ICCSA 2019
19th International Conference, Saint Petersburg, Russia, July 1–4, 2019, Proceedings, Part V
6. Computational Science and Its Applications – ICCSA 2019
19th International Conference, Saint Petersburg, Russia, July 1–4, 2019, Proceedings, Part VI

About these proceedings

Introduction

The six volumes LNCS 11619-11624 constitute the refereed proceedings of the 19th International Conference on Computational Science and Its Applications, ICCSA 2019, held in Saint Petersburg, Russia, in July 2019.

The 64 full papers, 10 short papers and 259 workshop papers presented were carefully reviewed and selected form numerous submissions. The 64 full papers are organized in the following five general tracks: computational methods, algorithms and scientific applications; high performance computing and networks; geometric modeling, graphics and visualization; advanced and emerging applications; and information systems and technologies. The 259 workshop papers were presented at 33 workshops in various areas of computational sciences, ranging from computational science technologies to specific areas of computational sciences, such as software engineering, security, artificial intelligence and blockchain technologies.

Keywords

artificial intelligence cloud computing computer architecture computer networks data mining data security education image processing internet machine learning neural networks semantics signal processing software engineering software evaluation Support Vector Machines (SVM) telecommunication networks user interfaces wireless telecommunication systems World Wide Web

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