

Innovations in Computing Sciences and Software Engineering

Tarek Sobh · Khaled Elleithy
Editors

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 Springer

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To our families
Their continuing support makes all our endeavors possible
And
To the memory of Professor Natalia Romalis
Her spirit will always be with us

Preface

This book includes the proceedings of the 2009 International Conference on Systems, Computing Sciences and Software Engineering (SCSS). SCSS is part of the International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE 09). The proceedings are a set of rigorously reviewed world-class manuscripts presenting the state of international practice in Systems, Computing Sciences and Software Engineering.

SCSS 09 was a high-caliber research conference that was conducted online. CISSE 09 received 432 paper submissions and the final program included 220 accepted papers from more than 80 countries, representing the six continents. Each paper received at least two reviews, and authors were required to address review comments prior to presentation and publication.

Conducting SCSS 09 online presented a number of unique advantages, as follows:

- All communications between the authors, reviewers, and conference organizing committee were done on line, which permitted a short six week period from the paper submission deadline to the beginning of the conference.
- PowerPoint presentations, final paper manuscripts were available to registrants for three weeks prior to the start of the conference
- The conference platform allowed live presentations by several presenters from different locations, with the audio, video and PowerPoint presentations transmitted to attendees throughout the internet, even on dial up connections. Attendees were able to ask both audio and written questions in a chat room format, and presenters could mark up their slides as they deem fit
- The live audio presentations were also recorded and distributed to participants along with the power points presentations and paper manuscripts within the conference DVD.

The conference organizers and we are confident that you will find the papers included in this book interesting and useful.

Tarek Sobh and Khaled Elleithy

Bridgeport, Connecticut
January 2010

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The technical co-sponsorship provided by the Institute of Electrical and Electronics Engineers (IEEE) and the University of Bridgeport is gratefully appreciated. We would like to express our thanks to Prof. Toshio Fukuda, Chair of the International Advisory Committee and the members of the SCSS Technical Program Committee.

The excellent contributions of the authors made this world-class book possible. Each paper received two to four reviews. The reviewers worked tirelessly under a tight schedule and their important work is gratefully appreciated. In particular, we want to acknowledge the contributions of all the reviewers. A complete list of reviewers is provided in the book.

Tarek Sobh and Khaled Elleithy

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Contents

Reviewers List	xix
1. Recursive Projection Profiling for Text-Image Separation	1
<i>Shivsubramani Krishnamoorthy et al.</i>	
2. Risk in the Clouds?: Security Issues Facing Government Use of Cloud Computing	7
<i>David C. Wyld</i>	
3. Open Source Software (OSS) Adoption Framework for Local Environment and its Comparison.....	13
<i>U. Laila and S. F. A. Bukhari</i>	
4. Ubiquitous Data Management in a Personal Information Environment.....	17
<i>Atif Farid Mohammad</i>	
5. Semantics for the Asynchronous Communication in LIPS, a Language for Implementing Parallel/distributed Systems	23
<i>Amala VijayaSelvi Rajan et al.</i>	
6. Separation of Concerns in Teaching Software Engineering	29
<i>Izzat M. Alsmadi and Mahmoud Dieri</i>	
7. Student Model Based On Flexible Fuzzy Inference	39
<i>Dawod Kseibat et al.</i>	
8. <i>PlanGraph</i> : An Agent-Based Computational Model for Handling Vagueness in Human-GIS Communication of Spatial Concepts	45
<i>Hongmei Wang</i>	
9. Risk-Based Neuro-Grid Architecture for Multimodal Biometrics	51
<i>Sitalakshmi Venkataraman and Siddhivinayak Kulkarni</i>	
10. A SQL-Database Based Meta-CASE System and its Query Subsystem	57
<i>Erki Eessaar and Rünno Sgirka</i>	
11. An Intelligent Control System Based on Non-Invasive Man Machine Interaction	63
<i>Darius Drungilas et al.</i>	

12.	A UML Profile for Developing Databases that Conform to The Third Manifesto	69
	<i>Erki Eessaar</i>	
13.	Investigation and Implementation of T-DMB Protocol in NCTUns Simulator	75
	<i>Tatiana Zuyeva et al.</i>	
14.	Empirical Analysis of Case-Editing Approaches for Numeric Prediction	79
	<i>Michael A. Redmond and Timothy Highley</i>	
15.	Towards a Transcription System of Sign Language for 3D Virtual Agents	85
	<i>Wanessa Machado do Amaral and José Mario De Martino</i>	
16.	Unbiased Statistics of a Constraint Satisfaction Problem – a Controlled-Bias Generator	91
	<i>Denis Berthier</i>	
17.	Factors that Influence the Productivity of Software Developers in a Developer View	99
	<i>Edgy Paiva et al.</i>	
18.	Algorithms for Maintaining a Consistent Knowledge Base in Distributed Multiagent Environments.....	105
	<i>Stanislav Ustymenko and Daniel G. Schwartz</i>	
19.	Formal Specifications for a Document Management Assistant	111
	<i>Daniel G. Schwartz</i>	
20.	Towards a Spatial-Temporal Processing Model	117
	<i>Jonathan B. Lori</i>	
21.	Structure, Context and Replication in a Spatial-Temporal Architecture	123
	<i>Jonathan Lori</i>	
22.	Service Oriented E-Government	129
	<i>Margareth Stoll and Dietmar Laner</i>	
23.	Fuzzy-rule-based Adaptive Resource Control for Information Sharing in P2P Networks	135
	<i>Zhengping Wu and Hao Wu</i>	
24.	Challenges In Web Information Retrieval.....	141
	<i>Monika Arora et al.</i>	
25.	An Invisible Text Watermarking Algorithm using Image Watermark	147
	<i>Zunera Jalil and Anwar M. Mirza</i>	
26.	A Framework for RFID Survivability Requirement Analysis and Specification	153
	<i>YanJun Zuo et al.</i>	
27.	The State of Knowledge Management in Czech Companies.....	161
	<i>P. Maresova and M. Hedvicakova</i>	

28.	A Suitable Software Process Improvement Model for the UK Healthcare Industry	167
	<i>Tien D. Nguyen et al.</i>	
29.	Exploring User Acceptance of FOSS: The Role of the Age of the Users	173
	<i>M. Dolores Gallego and Salvador Bueno</i>	
30.	GFS Tuning Algorithm Using Fuzzimetric Arcs.....	177
	<i>Issam Kouatli</i>	
31.	Multi-step EMG Classification Algorithm for Human-Computer Interaction.....	183
	<i>Peng Ren et al.</i>	
32.	Affective Assessment of a Computer User through the Processing of the Pupil Diameter Signal.....	189
	<i>Ying Gao et al.</i>	
33.	MAC, A System for Automatically IPR Identification, Collection and Distribution	195
	<i>Carlos Serrão</i>	
34.	Testing Distributed ABS System with Fault Injection	201
	<i>Dawid Trawczyński et al.</i>	
35.	Learning Based Approach for Optimal Clustering of Distributed Program's Call Flow Graph.....	207
	<i>Yousef Abofathi and Bager Zarei</i>	
36.	Fuzzy Adaptive Swarm Optimization Algorithm for Discrete Environments.....	213
	<i>M. Hadi Zahedi and M. Mehdi S.Haghighi</i>	
37.	Project Management Software for Distributed Industrial Companies	221
	<i>M. Dobrojević et al.</i>	
38.	How to Construct an Automated Warehouse Based on Colored Timed Petri Nets.....	227
	<i>Fei Cheng and Shanjun He</i>	
39.	Telecare and Social Link Solution for Ambient Assisted Living Using a Robot Companion with Visiophony	235
	<i>Thibaut Varène et al.</i>	
40.	Contextual Semantic: A Context-aware Approach for Semantic Web Based Data Extraction from Scientific Articles	241
	<i>Deniss Kumlander</i>	
41.	Motivating Company Personnel by Applying the Semi-self-organized Teams Principle	245
	<i>Deniss Kumlander</i>	
42.	Route Advising in a Dynamic Environment – A High-Tech Approach	249
	<i>M F M Firdhous et al.</i>	
43.	Building Security System Based on Grid Computing To Convert and Store Media Files	255
	<i>Hieu Nguyen Trung et al.</i>	

44.	A Tool Supporting C code Parallelization	259
	<i>Ilona Bluemke and Joanna Fugas</i>	
45.	Extending OpenMP for Agent Based DSM on GRID	265
	<i>Mahdi S. Haghighi et al.</i>	
46.	Mashup – Based End User Interface for Fleet Monitoring	273
	<i>M. Popa et al.</i>	
47.	The Performance of Geothermal Field Modeling in Distributed Component Environment	279
	<i>A. Piórkowski et al.</i>	
48.	An Extension of Least Squares Methods for Smoothing Oscillation of Motion Predicting Function	285
	<i>O. Starostenko et al.</i>	
49.	Security of Virtualized Applications: Microsoft App-V and VMware ThinApp	291
	<i>Michael Hoppe and Patrick Seeling</i>	
50.	Noise Performance of a Finite Uniform Cascade of Two-Port Networks	297
	<i>Shmuel Y. Miller</i>	
51.	Evaluating Software Agent Quality: Measuring Social Ability and Autonomy	301
	<i>Fernando Alonso et al.</i>	
52.	An Approach to Measuring Software Quality Perception	307
	<i>Radosław Hofman</i>	
53.	Automatically Modeling Linguistic Categories in Spanish	313
	<i>M. D. López De Luise et al.</i>	
54.	Efficient Content-based Image Retrieval using Support Vector Machines for Feature Aggregation	319
	<i>Ivica Dimitrovski et al.</i>	
55.	The Holistic, Interactive and Persuasive Model to Facilitate Self-care of Patients with Diabetes	325
	<i>Miguel Vargas-Lombardo et al.</i>	
56.	Jawi Generator Software Using ARM Board Under Linux	331
	<i>O. N. Shalasiah et al.</i>	
57.	Efficient Comparison between Windows and Linux Platform Applicable in a Virtual Architectural Walkthrough Application	337
	<i>P. Thubaasini et al.</i>	
58.	Simulation-Based Stress Analysis for a 3D Modeled Humerus-Prosthesis Assembly	343
	<i>S. Herle et al.</i>	

59.	Chaos-Based Bit Planes Image Encryption	349
	<i>Jiri Giesl et al.</i>	
60.	FLEX: A Modular Software Architecture for Flight License Exam.....	355
	<i>Taner Arsan et al.</i>	
61.	Enabling and Integrating Distributed Web Resources for Efficient and Effective Discovery of Information on the Web	361
	<i>Neeta Verma et al.</i>	
62.	Translation from UML to Markov Model: A Performance Modeling Framework	365
	<i>Razib Hayat Khan and Poul E. Heegaard</i>	
63.	A Comparative Study of Protein Sequence Clustering Algorithms.....	373
	<i>A. Sharaf Eldin et al.</i>	
64.	OpenGL in Multi-User Web-Based Applications	379
	<i>K. Szostek and A. Piórkowski</i>	
65.	Testing Task Schedulers on Linux System.....	385
	<i>Leonardo Jelenković et al.</i>	
66.	Automatic Computer Overhead Line Design	391
	<i>Lucie Noháčová and Karel Noháč</i>	
67.	Building Test Cases through Model Driven Engineering.....	395
	<i>Helaine Sousa et al.</i>	
68.	The Effects of Educational Multimedia for Scientific Signs in the Holy Quran in Improving the Creative Thinking Skills for Deaf Children	403
	<i>Sumaya Abusaleh et al.</i>	
69.	Parallelization of Shape Function Generation for Hierarchical Tetrahedral Elements	409
	<i>Sara E. McCaslin</i>	
70.	Analysis of Moment Invariants on Image Scaling and Rotation	415
	<i>Dongguang Li</i>	
71.	A Novel Binarization Algorithm for Ballistics Firearm Identification.....	421
	<i>Dongguang Li</i>	
72.	A Schema Classification Scheme for Multilevel Databases.....	427
	<i>Tzong-An Su and Hong-Ju Lu</i>	
73.	Memory Leak Sabotages System Performance.....	433
	<i>Nagm Mohamed</i>	

74.	Writer Identification Using Inexpensive Signal Processing Techniques.....	437
	<i>Serguei A. Mokhov et al.</i>	
75.	Software Artifacts Extraction for Program Comprehension.....	443
	<i>Ghulam Rasool and Ilka Philippow</i>	
76.	Model-Driven Engineering Support for Building C# Applications	449
	<i>Anna Derezińska and Przemysław Oltarzewski</i>	
77.	Early Abnormal Overload Detection and the Solution on Content Delivery Network	455
	<i>Cam Nguyen Tan et al.</i>	
78.	ECG Feature Extraction using Time Frequency Analysis.....	461
	<i>Mahesh A Nair</i>	
79.	Optimal Component Selection for Component-Based Systems	467
	<i>Muhammad Ali Khan and Sajjad Mahmood</i>	
80.	Domain-based Teaching Strategy for Intelligent Tutoring System Based on Generic Rules	473
	<i>Dawod Kseibat et al.</i>	
81.	Parallelization of Edge Detection Algorithm using MPI on Beowulf Cluster.....	477
	<i>Nazleeni Haron et al.</i>	
82.	Teaching Physical Based Animation via OpenGL Slides.....	483
	<i>Miao Song et al.</i>	
83.	Appraising the Corporate Sustainability Reports – Text Mining and Multi-Discriminatory Analysis.....	489
	<i>J. R. Modapothala et al.</i>	
84.	A Proposed Treatment for Visual Field Loss caused by Traumatic Brain Injury using Interactive Visuotactile Virtual Environment.....	495
	<i>Attila J. Farkas et al.</i>	
85.	Adaptive Collocation Methods for the Solution of Partial Differential Equations	499
	<i>Paulo Brito and António Portugal</i>	
86.	Educational Virtual Reality through a Multiview Autostereoscopic 3D Display	505
	<i>Emiliyan G. Petkov</i>	
87.	An Approach for Developing Natural Language Interface to Databases Using Data Synonyms Tree and Syntax State Table	509
	<i>Safwan shatnawi and Rajeh Khamis</i>	
88.	Analysis of Strategic Maps for a Company in the Software Development Sector	515
	<i>Marisa de Camargo Silveira et al.</i>	

89.	The RDF Generator (RDFG) - First Unit in the Semantic Web Framework (SWF).....	523
	<i>Ahmed Nada and Badie Sartawi</i>	
90.	Information Technology to Help Drive Business Innovation and Growth	527
	<i>Igor Aguilar Alonso et al.</i>	
91.	A Framework for Enterprise Operating Systems Based on Zachman Framework	533
	<i>S. Shervin Ostadzadeh and Amir Masoud Rahmani</i>	
92.	A Model for Determining the Number of Negative Examples Used in Training a MLP	537
	<i>Cosmin Cernazanu-Glavan and Stefan Holban</i>	
93.	GPU Benchmarks Based On Strange Attractors.....	543
	<i>Tomáš Podoba et al.</i>	
94.	Effect of Gender and Sound Spatialization on Speech Intelligibility in Multiple Speaker Environment	547
	<i>M. Joshi et al.</i>	
95.	Modeling Tourism Sustainable Development	551
	<i>O. A. Shcherbina and E. A. Shembeleva</i>	
96.	PI-ping - Benchmark Tool for Testing Latencies and Throughput in Operating Systems.....	557
	<i>J. Abaffy and T. Krajčovič</i>	
97.	Towards Archetypes-Based Software Development	561
	<i>Gunnar Piho et al.</i>	
98.	Dependability Aspects Regarding the Cache Level of a Memory Hierarchy Using Hamming Codes	567
	<i>O. Novac et al.</i>	
99.	Performance Evaluation of an Intelligent Agents Based Model within Irregular WSN Topologies	571
	<i>Alberto Piedrahita Ospina et al.</i>	
100.	Double Stage Heat Transformer Controlled by Flow Ratio	577
	<i>S. Silva-Sotelo et al.</i>	
101.	Enforcement of Privacy Policies over Multiple Online Social Networks for Collaborative Activities.....	583
	<i>Zhengping Wu and Lifeng Wang</i>	
102.	An Estimation of Distribution Algorithms Applied to Sequence Pattern Mining	589
	<i>Paulo Igor A. Godinho et al.</i>	
103.	TLATO COMMUNICATOR: A Framework to Create Task-Independent Conversational Systems.....	595
	<i>D. Pérez and I. Kirschning</i>	

104. Using Multiple Datasets in Information Visualization Tool.....	601
<i>Rodrigo Augusto de Moraes Lourenço et al.</i>	
105. Improved Crack Type Classification Neural Network based on Square Sub-images of Pavement Surface	607
<i>Byoung Jik Lee and Hosin “David” Lee</i>	
106. Building Information Modeling as a Tool for the Design of Airports	611
<i>Júlio Tollendal Gomes Ribeiro et al.</i>	
107. A Petri-Nets Based Unified Modeling Approach for Zachman Framework Cells	615
<i>S. Shervin Ostadzadeh and Mohammad Ali Nekoui</i>	
108. From <i>Perspectiva Artificialis</i> to Cyberspace: Game-Engine and the Interactive Visualization of Natural Light in the Interior of the Building.....	619
<i>Evangelos Dimitrios Christakou et al.</i>	
109. Computational Shape Grammars and Non-Standardization: a Case Study on the City of Music of Rio de Janeiro.....	623
<i>Félix A. Silva Júnior and Neander Furtado Silva</i>	
110. Architecture Models and Data Flows in Local and Group Datawarehouses	627
<i>R.M. Bogza et al.</i>	
Index.....	633

Reviewers List

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