Computational Biology and Bioinformatics Track

Track Co-Chairs:  Juan Manuel Corchado, University of Salamanca, Spain  
                  Paola Lecca, University of Trento, Italy  
                  Dan Tulpan, National Research Council, Canada

Poster Papers

P-SaMI: a data-flow Pattern to Perform Massively-Parallel Molecular Docking Experiments using a Fully-flexible Receptor Model
Patricia Hübler, IFRS – Campus Canoas – Rua Dra. Maria Zélia Carneiro de Figueiredo, 870 – Canoas - RS, Brazil  
Duncan Ruiz, GPIN - Grupo de Pesquisa em Inteligência de Negócio. PPGCC, Faculdade de Informática, PUCRS, Av. Ipiranga, 6681 – Prédio 32, sala 628, 90619-900, Porto Alegre, RS, Brazil  
João Eduardo Ferreira, The research group of Database Modeling, Transactions, and data Analysis (DATA Group), Departamento de Computação do Instituto de Matemática e Estatística da Universidade de São Paulo, São Paulo, Brazil  
Osmar Norberto de Souza, LABIO - Laboratório de Bioinformática, Modelagem e Simulação de Biossistemas. PPGCC, Faculdade de Informática, PUCRS, Av. Ipiranga, 6681 – Prédio 32, sala 602, 90619-900, Porto Alegre, RS, Brazil

Computational Intelligence and Video & Image Analysis Track

Track Co-Chairs:  Agostinho Rosa, LaSEEB - ISR – IST - Technical University of Lisbon, Portugal  
                  Yin-Fu Huang, National Yunlin University of Science and Technology, Taiwan

Poster Papers

Compact And Discriminative Approach For Encoding Spatial-Relationship Of Visual Words
Glauco V. Pedrosa, University of Sao Paulo, Brazil  
Agma J. M. Traina, University of Sao Paulo, Brazil

OpenACC-based GPU Acceleration of an Optical Flow Algorithm
Nelson Martin, UCM, Spain  
Jorge Collado, UCM, Spain  
Guillermo Botella, UCM, Spain  
Carlos García, UCM, Spain  
Manuel Prieto-Matias, UCM, Spain

Smart Human Computer Interaction Track

Track Co-Chairs:  Anand Paul, Kyungpook National University, Korea  
                  Soon Ki Jung, Kyungpook National University, Korea  
                  Wenmin Wang, Peking University, China

Poster Papers

Evaluating User Interaction In An Adaptive Game Controller
Leonardo Torok, Federal Fluminense University, Brazil  
Mateus Pelegrino, Federal Fluminense University, Brazil  
Jefferson Lessa, Federal Fluminense University, Brazil  
Daniela Trevisan, Federal Fluminense University, Brazil
Esteban Clua, Federal Fluminense University, Brazil

**Integrating Contexts In Healthcare: Guidelines To Help The Designers At Design Process**
Janaina Cintra Abib, Federal Institute of São Paulo, Brazil
Junia Anacleto, Federa University of São Paulo, Brazil

**Intelligent and Interactive Learning Environments Track**

**Track Co-Chairs:** Ig Bittencourt, Federal Universiti of Alagoas, Brazil
Seiji Isotani, University of Sao Paulo, Brazil
Emmanuel Blanchard, University of Montreal, Canada
Julita Vassileva, University of Saskatchewan, Canada

**Poster Papers**

**Enforcing Reuse And Customization In The Development Of Learning Objects: A Rroduct Line Approach**
Ahmed Labib, Departamento de Sistemas Informáticos y Computación - Universitat Politècnica de València, Spain
M. Carmen Penadés, Departamento de Sistemas Informáticos y Computación - Universitat Politècnica de València, Spain
José H. Canós, Departamento de Sistemas Informáticos y Computación - Universitat Politècnica de València, Spain
Abel Gómez, Mines-Nantes – Inria – Lina, France

**Dynamic: A Collaborative Filtering Strategy For Assigning Examination’S Rooms To Supervisors**
Montassar BEN MESSAOUD, Institut Supérieur de Gestion de Tunis, Tunisia

**Evaluation Of A Haptic Virtual Reality Simulator For Endodontics Training**
Tales Bogoni, UNEMAT, Brazil
Marcio Pinho, PUCRS, Brazil
Roberta Scarparo, PUCRS, Brazil

**Integrating Educational Repositories To Improve The Reuse Of Learning Objects**
Heitor Barros, Universidade Federal de Campina Grande - UFCG, Brazil
Evandro Costa, Universidade Federal de Alagoas - UFAL, Brasil
Jonathas Magalhães, Universidade Federal de Campina Grande - UFCG, Brazil
Ranilson Paiva, Universidade Federal de Campina Grande, Brazil

**Intelligent Robotics and Multi-Agent Systems Track**

**Track Co-Chairs:** Christopher Kiekintveld, University of Texas at El Paso, USA
Rui P. Rocha, University of Coimbra, Portugal
Denis Wolf, University of São Paulo, Brazil

**Poster Papers**

**ORCAS: Optimized Robots Configuration and Scheduling System**
Marin Lujak, University Rey Juan Carlos, Spain
Alberto Fernandez, University Rey Juan Carlos, Spain
NVL: A Coordination Language for Unmanned Vehicle Networks
Eduardo R.B. Marques, Universidade de Lisboa, Portugal
Manuel Ribeiro, Universidade do Porto, Portugal
José Pinto, Universidade do Porto, Portugal
João B. Sousa, Universidade do Porto, Portugal
Francisco Martins, Universidade de Lisboa, Portugal

Sustaining Mutual Cooperation In Iterated Prisoner'S Dilemma Game
Minsam Kim, Hong Kong University of Science and Technology, Hong Kong
Kwok Yip Szeto, Hong Kong University of Science and Technology, Hong Kong

The Semantic Web and Applications Track
Track Co-Chairs: Soon Ae Chun, City University of New York, USA
Hyoil Han, Marshall University, USA

Poster Papers
A Supervised Machine Learning Approach For Taxonomic Relation Recognition Through Non-Linear Enumerative Structures
Jean-Philippe Fauconnier, IRIT, Université Paul Sabatier, Toulouse, France
Mouna Kamel, IRIT, Université Paul Sabatier, Toulouse, France
Bernard Rothenburger, IRIT, Université Paul Sabatier, Toulouse, France

Dependable and Adaptive Distributed Systems Track
Track Co-Chairs: Karl M. Goeschka, UAS Technikum Vienna, Austria
Rui Oliveira, Universidade do Minho, Portugal
Peter Pietzuch, Imperial College London, United Kingdom
Giovanni Russello, University of Auckland, New Zealand

Poster Papers
Scalable Model For Dynamic Configuration And Power Management In Virtualized Heterogeneous Web Clusters
André F. Monteiro, Fluminense Federal University, Brazil
Orlando Loques, Fluminense Federal University, Brazil

An Experimental Evaluation Of Machine-To-Machine Coordination Middleware
Filipe Campos, INESC TEC & University of Minho, Portugal
José Pereira, INESC TEC & University of Minho, Portugal

Parameterization Of Fail-Operational Architectural Patterns
Dulcinea Penha, Fraunhofer Institute for Embedded Systems and Communication Technologies ESK, Germany
Gereon Weiss, Fraunhofer Institute for Embedded Systems and Communication Technologies ESK, Germany
Cooperative Systems Track

Track Co-Chairs: Rachid Anane, Coventry University, United Kingdom

Poster Papers

Rescheduling and Checkpointing as Strategies to Run Synchronous Parallel Programs on P2P Desktop Grids
Rodrigo Righi, Unisinos, Brazil
Vinicius Facco, Unisinos, Brazil
Gustavo Rostirolla, Unisinos, Brazil
Cristiano Costa, Unisinos, Brazil
Kleinner Farias, Unisinos, Brazil
Antonio Alberti, Inatel, Brazil
Alexandre Veith, Unisinos, Brazil

Efficient Approach For Reusing And Sharing Train Driving Plans Using Case-Based Reasoning
André Borges, Pontifícia Universidade Católica do Paraná, Brazil
Osmar Dordal, Pontifícia Universidade Católica do Paraná, Brazil
Denise Sato, Pontifícia Universidade Católica do Paraná, Brazil
Fabricio Enembreck, Pontifícia Universidade Católica do Paraná, Brazil
Bráulio Ávila, Pontifícia Universidade Católica do Paraná, Brazil
Edson Scalabrin, Pontifícia Universidade Católica do Paraná, Brazil

Mobile Collaboration: A Collaborative Editing Service In The Cloud
Gueml Nadir, LIAS/ISAE-ENSMA, Poitiers University, France
Mechaoui Moulay Driss, University of Sciences and Technology Oran 'Mohamed Boudiaf', Algeria
Imine Abdessamad, Université de Lorraine and INRIA-LORIA Grand Est, France
Bellatreche Ladjel, LIAS/ISAE-ENSMA, Poitiers University, France

Mobile Computing and Applications Track

Track Co-Chairs: Hong Va Leong, The Hong Kong Polytechnic University, Hong Kong, China
Alvin Chan, The Hong Kong Polytechnic University, Hong Kong, China

Poster Papers

Multi-Store Metadata-Based Supervised Mobile App Classification
Giacomo Berardi, Istituto di Scienza e Tecnologie dell'Informazione, Consiglio Nazionale delle Ricerche, Italy
Andrea Esuli, Istituto di Scienza e Tecnologie dell'Informazione, Consiglio Nazionale delle Ricerche, Italy
Tiziano Fagni, Istituto di Scienza e Tecnologie dell'Informazione, Consiglio Nazionale delle Ricerche, Italy
Fabrizio Sebastiani, Qatar Computing Research Institute, Qatar Foundation, Qatar

Using Fractal Clustering to Explore Behavioral Correlation: A new approach to reduce energy consumption in WSN
Fernando Rodrigues de Almeida Jr, University of Fortaleza, Brazil
Angelo Brayner, University of Fortaleza, Brazil
Jose E. Bessa Maia, State University of Ceara, Brazil
Performance Characterization and Scalable Design of Sensing-as-a-Service Platform
Tridib Mukherjee, Xerox Research Center India, India
Anvit Kumar, Xerox Research Center India, India
Deepthi Chander, Xerox Research Center India, India
Koustuv Dasgupta, Xerox Research Center India, India
Amandeep Chugh, Xerox Research Center India, India
Anirban Mondal, Xerox Research Center India, India

Towards Context-Aware Behaviour Generation
Paulo Artur de Sousa Duarte, UFC, Brazil
Francisco Anderson de Almada Gomes, UFC, Brazil
Felipe Mota Barreto, UFC, Brazil
Windson Viana de Carvalho, UFC, Brazil
Fernando Antonio Mota Trinta, UFC, Brazil

Networking Track
Track Co-Chairs: Mario M. Freire, University of Beira Interior, Portugal
Marília Curado, University of Coimbra, Portugal
Manuela Pereira, University of Beira Interior, Portugal
Teresa Vazão, IST/INESC ID Lisboa, Portugal

Poster Papers
QoS Prediction for Network Data Traffic using Hierarchical Modified Regularized Least Squares Rough Support Vector Regression
Arindam Chaudhuri, Samsung R & D Institute Delhi, India
Soumya Maity, Indian Institute of Technology Kharagpur, India
Soumya Kanti Ghosh, Indian Institute of Technology Kharagpur, India

A Solution to the MCSP Problem Considering Physical Layer Degradations in Transparent Optical Networks
Alexandre Fontinele, Federal University of Piauí, Brazil
Iallen Santos, Federal University of Piauí, Brazil
André Soares, Federal University of Piauí, Brazil
José Maranhão, University of Campinas, Brazil
Felipe Mazullo, Tsukuba University, Japan

From Software Defined Network To Network Defined for Software
Celio Trois, UFPR, Brazil
Magnos Martinello, UFES, Brazil
Luis Bona, UFPR, Brazil
Marcos Del Fabro, UFPR, Brazil

Feedback management for scaling clients in streaming multicast
Julio Cano, Institute of Telecommunications, Portugal
Luis Almeida, Institute of Telecommunications, Portugal

Wireless Communications and Networking Track
Track Co-Chairs: Dongkyun Kim, Kyungpook National University, Korea
Wei Wang, San Diego State University, USA

Poster Papers

Interference Aware Channel Assignment For Structured Wireless Sensor Networks
Edgard Jamhour, PUCPR, Brazil
Marcelo Pellenz, PUCPR, Brazil
Manoel Penna, PUCPR, Brazil
Richard Souza, UTFPR, Brazil
Glauber Brante, UTFPR, Brazil

Web Technologies Track

Track Co-Chairs:
Angelo Di Iorio, University of Bologna, Italy
Davide Rossi, University of Bologna, Italy
Stefano Zacchiroli, Université Paris Diderot - Paris 7, France

Poster Papers

Migratom.js: A Javascript Migration Framework For Distributed Web Computing And Mobile Devices
Tai-Lun Tseng, National Taiwan University, Taiwan
Shih-Hao Hung, National Taiwan University, Taiwan
Chia-Heng Tu, Institute for Information Industry, Taiwan

Serena: Scalable Middleware For Real-Time Web Applications
Kennedy Kambona, Vrije Universiteit Brussel, Belgium
Elisa Gonzalez Boix, Vrije Universiteit Brussel, Belgium
Wolfgang De Meuter, Vrije Universiteit Brussel, Belgium

Catalogue: Graph Representation Of File Relations For A Globally Distributed Environment
Yamato Miyashita, Graduate School of Science and Technology Keio University, Japan
Hiroyo Ishikawa, Research Institute for Digital Media and Content Keio University, Japan
Fumio Teraoka, Faculty of Science and Technology Keio University, Japan
Kunitake Kaneko, Faculty of Science and Technology Keio University, Japan

RE-CMS: A Reverse Engineering Toolkit for the Migration to CMS-based Web Applications
Feliu Trias, Kybele Research Group, Spain
Valeria de Castro, Kybele Research Group, Spain
Marcos Lopez-Sanz, Kybele Research Group, Spain
Esperanza Marcos, Kybele Research Group, Spain

Data Mining Track

Track Co-Chairs:
Hasan Jamil, University of Idaho, United States
Raymond Wong, University of New South Wales, Australia
Stefan Kramer, Johannes Gutenberg University - Mainz, Germany

Poster Papers

Exploring Multiple Clusterings In Attributed Graphs
Gustavo Paiva Guedes, COPPE/UFPRJ - CEFET/RJ, Brazil
Upper Bounds To Expected Support For Frequent Itemset Mining Of Uncertain Big Data
Alfredo Cuzzocrea, ICAR-CNR & Uni. Calabria, Italy
Carson Leung, University of Manitoba, Canada

Semantically Enriching Text Representation Model For Document Clustering
Han-joon Kim, University of Seoul, Korea
Kee-Joo Hong, University of Seoul, Korea
Jae Young Chang, Hansung University, Korea

ZBLP: A Parameter-less Label Propagation Algorithm on Stereo Videos
Chongsheng Zhang, Henan University, China

Data Streams Track
Track Co-Chairs: Albert Bifet, Yahoo! Research Barcelona, Spain
João Gama, LIAAD-University Porto, Portugal
Shonali Krishnaswamy, Monash University, Australia

Poster Papers
Visualization Of Evolving Large Scale Ego-Networks
Rui Sarmento, LIAAD/INESC TEC, Portugal
Mário Cordeiro, ProDEI, Portugal
João Gama, LIAAD/INESC TEC, Portugal

Collaborative Filtering With Recency-Based Negative Feedback
João Vinagre, FCUP - Universidade do Porto / LIAAD - INESC TEC, Portugal
Alípio Mário Jorge, FCUP - Universidade do Porto / LIAAD - INESC TEC, Portugal
João Gama, FEP - Universidade do Porto / LIAAD - INESC TEC, Portugal

Information Access and Retrieval Track
Track Co-Chairs: Gloria Bordogna, CNR, Italy
Gabriella Pasi, Univ. Milano Bicocca, Italy

Poster Papers
Applying Multi-View Based Metadata In Personalized Ranking For Recommender Systems
Marcos Aurelio Domingues, University of Sao Paulo, Brazil
Camila Vaccari Sundermann, University of Sao Paulo, Brazil
Flavio Barros, Faculdade de Engenharia Agricola - FRAGRI/Unicamp, Brazil
Marcelo Garcia Manzato, University of Sao Paulo, Brazil
Maria da Graça Campos Pimentel, University of Sao Paulo, Brazil
Solangue Oliveira Rezende, University of Sao Paulo, Brazil
Stanley Oliveira, Embrapa Informática Agropecuária, Brazil
Social Network and Media Analysis Track

Track Co-Chairs: Sang-Wook Kim, Hanyang University, Korea

Poster Papers

Multi-Stage Seed Selection For Viral Marketing
Anastasia Mochalova, Katholische Universität Eichstätt-Ingolstadt, Germany
Alexandros Nanopoulos, Katholische Universität Eichstätt-Ingolstadt, Germany

Web Accessibility In Social Networking Services: Blind Users Perspective
Janaína Rolan Loureiro, UFMS, Brazil
Maria Istela Cagnin, UFMS, Brazil
Debora Maria Barroso Paiva, UFMS, Brazil

Enterprise Engineering Track

Track Co-Chairs: Artur Caetano, University of Lisbon, Portugal
Marco Montali, Free University of Bozen-Bolzano, Italy
Rafael Accorsi, University of Freiburg, Germany
Ulrich Frank, University of Duisburg-Essen, Germany
Jean-Guy Schneider, Swinburne University of Technology, Australia

Poster Papers

Classification Model for Predicting Cost Slippage in Governmental ICT Projects
Christos Makris, Department of Computer Engineering and Informatics University of Patras, Greece
Pantelis Vikatos, Department of Computer Engineering and Informatics University of Patras, Greece
Joost Visser, Software Improvement Group & Radboud University Nijmegen, The Netherlands

A Conceptual Framework For Enterprise Agility
Joshua Chibuike Nwokeji, Middlesex University, London, United Kingdom
Tony Clark, Middlesex University, London, United Kingdom
Balbir Barn, Middlesex University, London, United Kingdom
Vinay Kulkarni, Tata Consulting Services, India

When Four-Eyes Become Too Much - A Survey On The Interplay Of Authorization Constraints And Workflow Resilience
Julius Holderer, University of Freiburg, Germany
Rafael Accorsi, University of Freiburg, Germany
Günter Müller, University of Freiburg, Germany

Multimedia & Visualization Track

Track Co-Chairs: Maria da Graça C. Pimentel, Universidade de São Paulo, Brazil
Takayuki Itoh, Ochanomizu University, Japan
Rudinei Goularte, Universidade de São Paulo, Brazil

Poster Papers

A Robust Video Watermarking Algorithm in H.264/AVC Compressed Domain
Lotfi Abdi, National Engineering School of Tunis, Tunisia
Multicore Software Engineering, Performance, Applications, and Tools Track

Track Co-Chairs: Jeremy S. Bradbury, University of Ontario of Technology, Canada
Eitan Farchi, IBM Haifa Research Laboratory, Israel

Poster Papers

G-KNN: An Efficient Document Classification Algorithm for Sparse Datasets on GPUs using KNN
Leonardo Rocha, Federal University of São João Del Rei, Brasil
Gabriel Ramos, Federal University of São João Del Rei, Brasil
Rodrigo Chaves, Federal University of São João Del Rei, Brasil
Daniel Madeira, Federal University of São João Del Rei, Brasil
Felipe Viegas, Federal University of Minas Gerais, Brasil
Guilherme Andrade, Federal University of Minas Gerais, Brasil
Sérgio Daniel, Federal University of Minas Gerais, Brasil
Marcos Gonçalves, Federal University of Minas Gerais, Brasil
Renato Ferreira, Federal University of Minas Gerais, Brasil
Rafael Sachetto, Federal University of São João Del Rei, Brasil

Parallel Trajectory Synchronization For Aircraft Conflicts Resolution
Eduardo de la Iglesia, EUROCONTROL, The Netherlands
Guillermo Botella, UCM, Spain
Carlos Garcia, UCM, Spain
Manuel Prieto-Matias, UCM, Spain

Requirements Engineering Track

Track Co-Chairs: Maria Lencastre, Universidade de Pernambuco, Brazil
Joao Araujo, Universidade Nova de Lisboa, Portugal

Poster Papers

Deriving The Behavior Of Context-Sensitive Systems From Contextual Goal Models
Jéssyka Vilela, UFPE, Brazil
Jaelson Castro, UFPE, Brazil
João Pimentel, UFPE, Brazil
Monique Soares, UFPE, Brazil
Paulo Cavalcanti, UFPE, Brazil
Márcia Lucena, UFRN, Brazil

A Risk-Aware Framework For Compliance Goal-Obstacle Analysis
Bendra Ojamuruaye, University of Birmingham, United Kingdom
Software Architecture: Theory, Technology, and Applications Track

Track Co-Chairs: Antonio Bucchiarone, Bruno Kessler Foundation of Trento, Italy
Raffaella Mirandola, Politecnico di Milano, Israel
Patrizia Scandurra, University of Bergamo, Italy
Sungwon Kang, Koaera Advanced Institute of Science and Technology, Korea

Poster Papers

AutoQA: Quality Attributes as a Service in Cloud
Ashish Agrawal, Indian Institute of Technology Kanpur, India
Prabhakar T. V., Indian Institute of Technology Kanpur, India

Towards A Multi-Scale Modeling Approach For Software Architectures
Ilhem KHLIF, Research Laboratory ReDCAD, FSEGS, University of Sfax, Tunisia
Mohamed HADJ KACEM, Research Laboratory ReDCAD, ISIMS, University of Sfax, Tunisia
Ahmed HADJ KACEM, Research Laboratory ReDCAD, FSEGS, University of Sfax, Tunisia
Khalil DRIRA, LAAS-CNRS and Univ. de Toulouse, France

Software Engineering Track

Track Co-Chairs: Byungjeong Lee, University of Seoul, Korea
Eunjee Song, Baylor University, USA

Poster Papers

A Concise Specification Language For Trace Monitoring
Kostyantyn Vorobyov, Bond University, Australia
Padmanabhan Krishnan, Oracle Labs, Australia
Phil Stocks, Australia

Dynamic Variability Support In Workflow-Based Systems: An Evaluation Of The Lateva Framework
Aitor Murguzur, IK4-Ikerlan Research Center, Spain
Salvador Trujillo, IK4-Ikerlan Research Center, Spain
Goiuria Sagardui, Mondragon University, Spain

Evaluating Defect Prediction Approaches Using A Massive Set Of Metrics: An Empirical Study
Xiao Xuan, Zhejiang University, China
David Lo, Singapore Management University, Singapore
Xin Xia, Zhejiang University, China
Yuan Tian, Singapore Management University, Singapore

A Library To Modularly Control Asynchronous Executions
Hiroaki Fukuda, Shibaura Institute of Technology, Japan
Paul Leger, University Catolica del Norte, Chile

Verifying Eventuality Properties of Imprecise System Requirements using Event-B
Hong Anh Le, Hanoi University of Mining and Geology, Viet Nam
Ninh Thuan Truong, VNU - University of Engineering and Technology, Viet Nam
Shin Nakajima, National Institute of Informatics, Japan

Mapping The Potential Change Impact In Object-Oriented Software
Mívian Ferreira, PUC-MG, Brazil
Kecia Ferreira, CEFET-MG, Brazil
Humberto Marques-Neto, PUC-MG, Brazil

Mining Software Development Process Variations
Renata Santos, COPPE/UFRJ - IFFluminense, Brazil
Toacy Oliveira, COPPE/UFRJ, Brazil
Fernando Brito e Abreu, ISCTE-IUL, Portugal

Using Developers' Feedback To Improve Code Smell Detection
Mario Hozano, Federal University of Campina Grande, Brazil
Henrique Ferreira, Federal University of Alagoas, Brazil
Italo Silva, Federal University of Alagoas, Brazil
Balduino CostaFonseca, Federal University of Alagoas, Brazil
Evandro Costa, Federal University of Alagoas, Brazil

A Parallel Genetic Algorithms Framework Based on Hadoop MapReduce
Filomena Ferrucci, University of Salerno, Italy
Tahar Kechadi, University College of Dublin, Ireland
Pasquale Salza, University of Salerno, Italy
Federica Sarro, University College of London, UK

Service-Oriented Architecture and Programming Track
Track Co-Chairs: Alberto Lluch Lafuente, IMT Lucca, Italy
Marcello Maria Bersani, Polytechnic of Millan, Italy
Alberto Núñez, Universidad Complutense de Madrid, Spain

Poster Papers
A Service-Oriented Architecture for Billing Resources in IaaS Cloud Platforms
Nayane Ponte, UFC, Brazil
Fernando Trinta, UFC, Brazil
Ricardo Viana, UFC, Brazil
Rossana Andrade, UFC, Brazil
Vinicius Garcia, UFPE, Brazil
Rodrigo Assad, USTORE, Brazil

Coordination Models, Languages and Applications Track
Track Co-Chairs: Mirko Viroli, Università di Bologna, Italy
Jose Luís Fernandez-Marquez, Université de Genève, Switzerland
Francesco Tiezzi, IMT Institute for Advanced Studies Lucca, Italy

Poster Papers
A Domain Specific Language for Spatial Simulation Scenarios (DSL3S): Introduction and Tool Support
Luís de Sousa, CRP Henri Tudor, Luxembourg
Alberto Rodrigues da Silva, IST / INESC-ID, Portugal

Monitoring And Visualizing Adaptation Of Autonomic Systems At Runtime
Dhaminda B. Abeywickrama, Fraunhofer FOKUS, Germany
Nikola Serbedzija, Fraunhofer FOKUS, Germany
Michele Loreti, Universit`a degli Studi di Firenze, Italy

Constraint Solving and Programming Track
Track Co-Chairs: Stefano Bistarelli, Università di Perugia, Italy and IIT-CNR, Pisa, Italy
Eric Monfroy, LINA-Université de Nantes, France
Barry O'Sullivan, University College Cork, Ireland

Poster Papers

Crucial Components In Probabilistic Inference Pipelines
Dimitar Shterionov, KU Leuven, Belgium
Gerda Janssens, KU Leuven, Belgium

Embedded Systems Track

Poster Papers

Introduction to Partial Time Composability for COTS Multicores
Gabriel Fernandez, Barcelona Supercomputing Center, Spain
Jaume Abella, Barcelona Supercomputing Center, Spain
Eduardo Quiñones, Barcelona Supercomputing Center, Spain
Luca Fossati, European Space Agency, Netherlands
Marco Zulianello, European Space Agency, Netherlands
Tullio Vardanega, University of Padua, Italy
Francisco J Cazorla, Barcelona Supercomputing Center, Spain

Identification Of Embedded Control Units By State Encoding And Power Consumption Analysis
Edward Jung, Southern Polytechnic State University, USA
Cedric Marchand, University of Lyon, Saint-Etienne, France
Lilian Bossuet, University of Lyon, Saint-Etienne, France

Operating Systems Track

Track Co-Chairs: Bongjae Kim, Seoul National University, Korea
George Hamer, South Dakota State University, USA

Poster Papers

Performance Impact Of Operating Systems’ Caching Parameters On Parallel File Systems
Eduardo C. Inacio, Federal University of Santa Catarina (UFSC), Brazil
Francieli Z. Boito, Federal University of Rio Grande do Sul (UFRGS), Brazil
Douglas D. J. de Macedo, Federal University of Sergipe, Brazil
Performance Implications Of Cache Flushes For Non-Volatile Memory File Systems
Kyungjun Lee, Sungkyunkwan University, Korea, South
Sungtae Ryu, Sungkyunkwan University, Korea, South
Hwansoo Han, Sungkyunkwan University, Korea, South

An Efficient Backup-Recovery Technique To Process Large Data In Distributed Key-Value Store
Donghee Min, Soongsil University, Korea, South
Taegye Hwang, Soongsil University, Korea, South
Joonhyouk Jang, Seoul National University, Korea, South
Yookun Cho, Seoul National University, Korea, South
Jiman Hong, Soongsil University, Korea, South

Search Space Reduction For Electric Vehicle-Based Tour Schedules
Junghoon Lee, Jeju National University, Rep. of Korea
Gyung-Leen Park, Jeju National University, Rep. of Korea

Programming Languages Track
Track Co-Chairs: Marjan Mernik, University of Maribor, Slovenia
Barrett Bryant, University of North Texas, United States

Poster Papers
Bootstrapping DSLs from User Interfaces
Michaela Bačíková, Technical University of Košice, Department of Computers and Informatics, Slovakia
Jaroslav Porubčan, Technical University of Košice, Department of Computers and Informatics, Slovakia
Sergej Chodarev, Technical University of Košice, Department of Computers and Informatics, Slovakia
Milan Nosáľ, Technical University of Košice, Department of Computers and Informatics, Slovakia

Meta-Programming With Well-Typed Code Analysis
Michael Lopez, Texas A&M University, United States
Gabriel Dos Reis, Microsoft and Texas A&M University, United States

Declaratively solving tricky Google Code Jam problems with Prolog-based ECLiPSe CLP system
Sergii Dymchenko, Independent Researcher, USA
Mariia Mykhailova, Independent Researcher, USA

Software Platforms Track
Track Co-Chairs: Jinman Jung, Seoul National University, Korea
Jun Huang, Chongqing University of Post & Telecommunications, China

Poster Papers
Application-Level Task Execution Issues In Mobile Cloud Computing
Abida Shahzad, Department of Computer Science and Engineering, Soongsil University, Seoul, South Korea
Hyunho Ji, Department of Computer Science and Engineering, Soongsil University, Seoul, South Korea
Jiman Hong, School of Computer Science and Engineering, Soongsil University, Seoul, South Korea
The Implications of Disk-based RAID and Virtualization for Write-intensive Services
Pekka Pääkkönen, VTT Technical Research Centre of Finland, Finland
Daniel Pakkala, VTT Technical Research Centre of Finland, Finland

Trust, Reputation, Evidence and other Collaboration Know-how Track
Track Co-Chairs: Jean-Marc Seigneur, University of Geneva, Switzerland

Poster Papers
A Modeling Approach For Credit Card Fraud Detection In Electronic Payment Services
Gabriel Preti, Universo Online Inc., Brasil
Adriano Pereira, Federal Univ. of Minas Gerais, Brasil
Roberto Hirata, Univ. of São Paulo, Brasil