



# Dr. Habil. Dragi Kimovski

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## PERSONAL INFORMA- TION

**Place of birth:** Bitola, R. N. Macedonia

## EDUCATION

**Habilitation (Venia Docendi) in Distributed Systems** 2016 - 2023  
Institution: **Klagenfurt University, Austria**  
Cloud and Edge Computing  
Thesis title: Cloud, Fog, or Edge: Where to Compute?

**Doctoral Degree in Computer Science** October 2009 - February 2013  
Institution: **Technical University of Sofia, Bulgaria**  
Field of study: Computer systems, networks and complexes  
Thesis title: Flow control mechanism for  
high performance interconnection networks

**Masters Degree in Computer Science** October 2007 - February 2009  
Institution: **Technical University of Sofia, Bulgaria**  
Field of study: Computer systems and technologies

**Bachelor Degree in Computer Science** September 2003 - July 2007  
Institution: **Technical University of Sofia, Bulgaria**  
Field of study: Computer systems and technologies

## CURRENT POSITION

**Assistant Professor with Zielvereinbarung** since March 2018  
Institution: Institute of Information Technologies  
**University of Klagenfurt, Austria**  
Field of work/research: Distributed Systems  
Habilitation field: Resource management across the computing continuum

## PREVIOUS POSITIONS

**Senior Researcher and Lecturer** January 2016 - February 2018  
Institution: Department of computer science  
**University of Innsbruck, Austria**  
Field of work/research: Distributed and Parallel Systems.

**Assistant Professor in Computer Science** October 2013 - February 2019  
Institution: **University of Information Science and Technology**  
**Ohrid, N. Macedonia**  
Field of work/research: Teaching and researching in the area of  
High performance computing systems

**Interim Dean** December 2013 - January 2015  
Institution: Faculty of Computer Science and Engineering  
**University of Information Science and Technology**  
**Ohrid, N. Macedonia**  
Field of work/research: Administrative management of  
teaching and research activities

**Research Coordinator** July 2013 - September 2014  
Institution: Faculty of Computer Science and Engineering  
**University of Information Science and Technology**  
**Ohrid, N. Macedonia**  
Field of work/research: Management of the research activities  
conducted by the doctoral students

**Teaching and Research Assistant** August 2009 - October 2013  
Institution: Faculty of Communication Networks and Security  
**University of Information Science and Technology**  
**Ohrid, N. Macedonia**  
Field of work/research: Teaching undergraduate courses  
and researching in the area of High performance computing

## VISITING POSITIONS

**Visiting Researcher** December 2022 - March 2023  
Institution: **University of Utrecht, Netherlands**  
Field of work/research: Distributed Systems

**Weiser Visiting Professor** September 2015 - October 2015  
Institution: **University of Michigan, USA**  
Field of work/research: High Performance Computing  
Application for Modelling of the Metabolic Factors  
Involved in Obesity and Weight Loss

**Erasmus Visiting Professor** June 2015 - June 2015  
Institution: **University of Ljubljana, Slovenia**  
Field of work/research: Lecturing in Computer Engineering

**Erasmus Visiting Professor** September 2014 - October 2014  
Institution: **University of Bologna, Italy**  
Field of work/research: High Performance Applications in Cloud environment

**Postdoctoral Researcher** January 2014 - March 2013  
Institution: **University of Granada, Spain**  
Field of work/research: High Performance Feature Selection  
for EEG and BCI applications

## PROJECTS

**Horizon 2020 DataCloud - WP Leader (Co-author)** 2021 - 2024  
Institution: **University of Klagenfurt**  
DataCloud: Big Data Pipelines Management across the Computing Continuum

**BABEG/FFG KärntnerFog - Scientific Coordinator (Co-author)** 2021 - 2024  
Institution: **University of Klagenfurt**  
KärntnerFog: IoT Applications Scheduling in 5G Networks

**Horizon 2020 ASPIDE - Scientific Coordinator (Co-author)** 2018 - 2021  
 Institution: **University of Klagenfurt**  
 ASPIDE: Exascale programming models for extreme data processing

**OeAD AtomicFog - Project Coordinator (Co-author)** 2018 - 2020  
 Institution: **University of Klagenfurt/UIST**  
 ATOMICFOG: Resource management in the Fog

**Horizon 2020 ENTICE - WP Leader** 2016 - 2018  
 Institution: **University of Innsbruck**  
 ENTICE: repositories for transparent and efficient virtual machine operations.

**TEACHING  
 EXPERI-  
 ENCE**

**Graduate courses:**

- **Internet of Things and Cloud Computing - VO** - University of Klagenfurt (2019, 2020, 2021 - Summer Semester)
- **Distributed Computing Infrastructures - VC** - University of Klagenfurt (2019, 2020, 2021 - Winter Semester)
- **Current Topics in Multimedia Communication: Server, Cluster, and Cloud Computing** - University of Klagenfurt (2017/18 - Summer Semester)
- **Parallel Systems** - University of Innsbruck (2016/17 - Winter Semester)
- **Advanced Parallel and Distributed Systems** - University of Innsbruck (2016/17 - Summer Semester)
- **High Performance Computing** - University of Information Science and Technology (2013,2014,2015 - Winter Semester)

**Undergraduate courses:**

- **Advanced C++ Programming** - University of Klagenfurt (2018/19 - Winter Semester)
- **Introduction in Computer Science** - University of Klagenfurt (2018/19 - Winter Semester)
- **Distributed Systems** - University of Klagenfurt (2018, 2019, 2020, 2021, 2022 - Summer Semester)
- **Computer Organization** - University of Information Science and Technology (2009-2013 as associate lecturer/ 2013-2016 as assistant professor)
- **Parallel Data Processing** - University of Information Science and Technology (2009-2013 as associate lecturer/ 2013-2015 as assistant professor)
- **Computing Systems Configurations** - University of Information Science and Technology (2009-2013 as associate lecturer/ 2013-2014 as assistant professor)
- **Network Architectures** - University of Information Science and Technology (2009-2013 as associate lecturer/ 2013-2015 as assistant professor)

**Undergraduate courses:**

- **Client-Server Architectures** - University of Information Science and Technology (2009-2013 as an associate lecturer/ 2013-2015 as assistant professor)
- **Human-computer Interaction** - University of Information Science and Technology (2009-2013 as an associate lecturer/ 2013-2014 as assistant professor)
- **Parallel Programming** - Technical University of Sofia (2010-2012)

**Students supervision:**

- Supervision of 23 Bachelor, 5 Master, and 4 PhD Thesis (in progress) in the area of parallel and distributed systems.

**Students' evaluation results:**

- **Average evaluation result of 1.37 (Scale 1-5) with 87% average participation of the students.**

**FELLOWSHIPS  
AND  
AWARDS****Fellowships:**

- Weiser Grant for Visiting Professor at the University of Michigan, USA
- PENTA – ERASMUS Grant for Visiting Professor at the University of Bologna, Italy
- Scholarship for Post-Doc research at the University of Granada, Spain
- Scholarship (36 Months) for PhD Studies at the Technical University of Sofia, Bulgaria
- Grant for attending the “School for Wireless Power Transfer” at University of Aveiro, Portugal
- Grant for attending the first “School in Nanotechnology” at TUT, Tampere, Finland

**Awards:**

- Best Paper Award - Second Price, IEEE CCGrid 2021
- Best Paper Award, Sixth International Conference – Computer Science 2011
- Best Foreign Undergraduate Student Award at the Technical University of Sofia
- Appreciation for active involvement in international projects with the Division of Hematology and Medical Oncology at Weill Cornell Medical College, New York, USA.
- Significant contribution to the conference organization, Sixth International Conference – Computer Science 2011

**REVIEW  
AND TPC  
ACTIVITIES**

**TPC member or Conference organizer**

- Workshop on Serverless, Extreme-Scale, and Sustainable Graph Processing Systems (GraphSys 2023)
- The 6th Workshop on Hot Topics in Cloud Computing Performance (HotCloudPerf 2023)
- The 13th Workshop on Scalable Computing FedCSIS23
- International Conference on Metaverse Computing, Networking and Applications 2023
- The 4th Workshop on Secure IoT, Edge and Cloud systems (SIoTEC) 2023
- 10th IEEE International Conference on Cloud Engineering 2022
- First International Workshop on Intelligent and Adaptive Edge-Cloud Operations and Services
- The 2nd International Workshop on Exascale programming models for extreme data processing in conjunction with EURO-PAR 2021
- The 1st International Workshop on "Distributed and Intelligent Systems" 2021
- Cloud-to-Things continuum: towards the convergence of IoT, Edge and Cloud 2021 and 2022
- The 8th International Conference on Future Internet of Things and Cloud (FiCloud 2020)
- International Symposium on Symbolic and Numeric Algorithms for Scientific Computing 2021
- IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing: CC-GRID 2019
- Big Data Pipelines 2019 - Multi-tier Big Data Pipelines from Edge to the Cloud Data Centers 2019
- International Symposium on Parallel and Distributed Computing 2019
- TAPEMS 2019 - 3rd International Workshop on Theoretical Approaches to Performance Evaluation, Modeling and Simulation
- Euro-Par 2018 Workshops - LSDVE - Workshop on Large Scale Distributed Virtual Environments 2016, 2017, 2018, 2019, 2020, 2021
- ACM Symposium on High-Performance Parallel and Distributed Computing: HPDC 2017, Poster TCP member
- IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing: CC-GRID 2017
- Multiple Access Communications: MACOM 2013, 2014, 2015 and 2016
- Sixth International Conference on Computer Science 2011

**Journal editing**

- Section Editor in the European Journal of Information Science and Technology
- Section Editor in Frontiers in Big Data, Data Mining and Management

**Journal reviews:**

- IEEE Transactions on Parallel and Distributed Computing
- IEEE Transactions on Emerging Topics in Computing
- IEEE Transactions on Automation Science and Engineering
- IEEE Transactions on Big Data
- IEEE Spectrum
- Elsevier Future Generation Computer Systems
- Elsevier Applied Soft Computing Journal
- Elsevier Journal of Grid Computing
- Elsevier Pervasive and Mobile Computing
- ACM Transactions on Multimedia Computing Communications and Applications
- Springer Artificial Intelligence Review

## MEMBERSHIPS

- IEEE Memeber
- NESUS COST ACTION Management Committee Member
- CHRONOS COST ACTION Management Committee Member

## ACADEMIC LEADER-SHIP

During my academic career I have proven my self, both as a researcher, lecturer and manager of academic activities and projects. As a concrete proof to my foremost dedication to science and scientific leadership, I would like to point out the following achievements:

- Project coordinator of the development of the first High Performance Cluster in the Republic of N. Macedonia, located at the University of Ohrid.
- Research coordinator at the University of Information Science and Technology in Macedonia, where I was responsible for coordinating the activities of the PhD and Master students affiliated to the University.
- Acting Dean at the Faculty of Computer Science and Engineering in Ohrid, where I was managing the teaching and administrative activities at the mentioned higher education institution.
- Work Package Leader and proposal co-author within the H2020 DataCloud and ENTICE projects, where I managed the research and administrate work within the work package and served as a contact point between the research institution and the project coordinator.
- Scientific coordinator and proposal co-author of the H2020 ASPIDE and the BABEG KärnterFog projects, where I fully coordinated all research activities across all working groups in the project consortium.
- Coordinator of the OeAD AtomicFog project, where I lead both the research and the related administrative coordination of the project consortium.

## LANGUAGES

- Macedonian - Mother language
- English - Fluent speaker (C1.2)
- German - Advanced speaker (C1.1)
- Dutch - Beginner (A1.2)

## REFERENCES

1. Prof. Radu Prodan, University of Klagenfurt, Austria,  
e-mail: radu@dps.uibk.ac.at
2. Prof. Thomas Fahringer, University of Innsbruck, Austria  
e-mail:tf@dps.uibk.ac.at
3. Prof. Hermann Hellwagner , University of Klagenfurt, Austria  
e-mail: hermann.hellwagner@aau.at

## LIST OF PUBLICATIONS

### Journals

1. Zahra Najafabadi Samani, Narges Mehran, Dragi Kimovski, Nishant Saurabh, Radu Prodan "Incremental Multilayer Resource Partitioning for Application Placement in Dynamic Fog", Transactions on Parallel and Distributed Systems, 2023
2. Sasko Ristov, Dragi Kimovski, Thomas Fahringer "FaaSinating Resilience for Serverless Function Choreographies in Federated Clouds", IEEE Transactions on Network and Service Management, 2022
3. Dumitru Roman, Radu Prodan, Nikolay Nikolov, Ahmet Soyly, Mihhail Matskin, Andrea Marrella, Dragi Kimovski, Brian Elvesæter, Anthony Simonet-Boulogne, Giannis Ledakis, Hui Song, Francesco Leotta, Evgeny Kharlamov "Big Data Pipelines on the Computing Continuum: Tapping the Dark Data", IEEE Computer, 2022
4. Dragi Kimovski, Sasko Ristov, Radu Prodan "Decentralized Machine Learning for Intelligent Health Care Systems on the Computing Continuum", IEEE Computer, 2022
5. Dragi Kimovski, Narges Mehran, Christopher Kerth, Radu Prodan "Mobility-Aware IoT Applications Placement in the Cloud-Edge Continuum", IEEE Transactions on Services Computing, 2021
6. Fatima Abdullah, Dragi Kimovski, Radu Prodan and Kashif Munir, "Handover Authentication Latency Reduction using Mobile Edge Computing and Mobility Patterns", Springer Computing, June 2021
7. Dragi Kimovski, Roland Mathá, Gabriel Iuhasz, Fabrizio Marozzo, Dana Petcu, Radu Prodan, "Autotuning of exascale applications with anomalies detection", Frontiers in Big Data, section Data Mining and Management, 2021
8. Dragi Kimovski, Roland Mathá, Josef Hammer, Narges Mehran, Hermann Hellwagner and Radu Prodan, "Cloud, Fog or Edge: Where to Compute?", IEEE Internet Computing, January 2021
9. Vincenzo de Maio, Dragi Kimovski, "Multi-Objective Scheduling of Extreme Data Scientific Workflows in Fog", Future Generation Computing Systems, DOI: <https://doi.org/10.1016/j.future.2019.12.054>, January 2020 - Impact Factor = 5.768
10. Sasko Ristov, Roland Matha, Dragi Kimovski, Radu Prodan, Marjan Gusev, "A new model for cloud elastic services efficiency", International Journal of Parallel, Emergent and Distributed Systems, DOI: <https://doi.org/10.1080/17445760.2018.1434174>
11. Sandi Gec, Dragi Kimovski, Uros Pascinski, Radu Prodan and Vlado Stankovski "Semantic approach for multi-objective optimisation of the ENTICE distributed Virtual Machine and container images repository", Concurrency and Computation: Practice and Experience, DOI: 10.1002/cpe.4264, August 2017 – Impact Factor = 1.133
12. Dragi Kimovski, Attila Marosi, Sandi Gec, Nishant Saurabh, Atilla Kertezs, Gabor Kecskemeti, Vlado Stankovski, Radu Prodan "Distributed Environment for Efficient Virtual Machine Image Management", Concurrency and Computation: Practice and Experience, DOI: 10.1002/cpe.4220, July 2017 – Impact Factor = 1.133
13. Dragi Kimovski, Nishant Saurabh, Vlado Stankovski, Radu Prodan, "Multi-Objective Middleware for Distributed VMI Repositories in Federated Cloud Environment", Scalable Computing: Practice and Experience, No.4/Vol.17, 2016
14. Dragi Kimovski, Julio Ortega, Andres Ortiz, Raul Banos, "Leveraging cooperation for parallel multi-objective feature selection in high-dimensional EEG data", Concurrency and Computation: Practice and Experience No.18/Vol.27, 2015 – Impact Factor = 0.997
15. Dragi Kimovski, Julio Ortega, Andres Ortiz, Raul Banos, "Parallel alternatives for evolutionary multi-objective optimization in unsupervised feature selection", Elsevier Expert Systems with Applications No.9/Vol.42, 2015 – Impact Factor = 1.965
16. Plamenka Borovska, Dragi Kimovski, Atanas Hristov, "Modular Router Architecture For High-Performance Interconnection Networks", Technical Gazette Journal No.5/Vol. 22 – Impact Factor = 0.615
17. Milan, Mihajlovic, LA Bongo, R Ciegis, N Frasheri, J Gong, D Kimovski, P Kropf, S Margenov, "Applications for ultrascale computing", Supercomputing Frontiers and Innovations, No.1/Vol.2, 2015

18. Dragi Kimovski, Plamenka Borovska, "Novel Flow Control Mechanism for High Performance System Area Networks", *Computer and Communication Engineering*, No.1/2012, ISSN 1314-2291
19. Giuseppe Galletti, Alexandre Matov, Himisha Beltran, Jacqueline Fontugne, Juan Miguel Mosquera, Cynthia Cheung, Theresa Y. MacDonald, Matthew Sung, Sandra O'Toole, James G. Kench, Sung Suk Chae, Dragi Kimovski, Scott T. Tagawa, David M. Nanus, Mark A. Rubin, Lisa G. Horvath, Paraskevi Giannakakou and David S. Rickman, "ERG induces taxane resistance in castration-resistant prostate cancer", *Nature Communications* 5, 2014, - Impact Factor = 11.329
20. Dragi Kimovski "Step-Back-On-Blocking Switch Architecture for System Area Interconnection Networks", *Computer and Communication Engineering*, No.2/2012, ISSN 1314-2291
21. Plamenka Borovska, Desislava Ivanova, Dragi Kimovski, "Architectural Aspects of the most Powerful Modern Supercomputers", *Computer and Communication Engineering*, No.1/2009, ISSN 1314-2291
22. Plamenka Borovska, Dragi Kimovski "Adaptive flow control in high-performance interconnection networks", *Springer Journal of Supercomputing*, No.1/Vol.68, 2014, Impact Factor = 0.86

### **Conferences - Less than 25% acceptance rate**

23. Zahra Najafabadi Samani, Narges Mehran, Dragi Kimovski, Radu Prodan, "Proactive SLA-aware Application Placement in the Computing Continuum", *IEEE IPDPS 2023*, Florida, US
24. Narges Mehran, Zahra Najafabadi Samani, Dragi Kimovski, Radu Prodan, "Matching-based Scheduling of Asynchronous Data Processing Workflows on the Computing Continuum", *IEEE Cluster*, Heidelberg, Germany, 2022
25. Roland Mathá, Dragi Kimovski, Anatoliy Zabrovskiy, Christian Timmerer and Radu Prodan, "Where to Encode: A Performance Analysis of x86 and Arm-based Amazon EC2 Instances", *17th IEEE eScience conference*, 2021, Innsbruck
26. Narges Mehran, Dragi Kimovski, and Radu Prodan "A Two-Sided Matching Model for Data Stream Processing in the Cloud-Fog Continuum", *21st IEEE/ACM international Symposium on Cluster, Cloud and Internet Computing*, Australia, 2021
27. Dragi Kimovski, Dijana C. Bogatinoska, Narges Mehran, Aleksandar Karadimce, Natasha Paunkoska, Radu Prodan, Ninoslav Marina "Cloud – Edge Offloading Model for Vehicular Traffic Analysis", *10th IEEE International Conference on Big Data and Cloud Computing (BDCloud-2020)*, UK, 2020
28. Vladislav Kashansky, Dragi Kimovski, Radu Prodan, Prateek Agrawal, Fabrizio Marozzo, Iuhasz Gabriel, Marek Justyna and Javier Garcia-Blas, "M3AT: Monitoring Agents Assignment Model for Data-Intensive Applications", *28th Euromicro International Conference on Parallel, Distributed and Network-Based Processing 2020*, Vasteras, Sweden
29. Narges Mehran, Dragi Kimovski, Radu Prodan "MAPO: A Multi-Objective Model for IoT Application Placement in a Fog Environment", *9th International Conference on the Internet of Things, IoT 2019*, Bilbao, Spain
30. Nishant Saurabh, Julian Remmers, Dragi Kimovski, Jose Barbosa "Semantics-aware Virtual Machine Image Management in IaaS Clouds", *33rd IEEE International Parallel Distributed Processing Symposium*, Brasil
31. Dragi Kimovski, Humaira Ijaz, Nishant Saurabh and Radu Prodan, "An Adaptive Nature-inspired Fog Architecture", *2nd IEEE International Conference on Fog and Edge Computing (ICFEC 2018)*, Washington DC, USA
32. Dragi Kimovski, Sasko Ristov, Roland Matha and Radu Prodan, "Multi-objective Service Oriented Network Provisioning in ultra-scale systems", *EUROPAR 2017 LSVDE Workshop*, Spain, August 2017
33. Polona Štefanič, Dragi Kimovski, George Suciú Jr and Vlado Stankovski, "Non-Functional Requirements Optimisation for Multi-Tier Cloud Applications: An Early Warning System Case Study", *IEEE Conference on Cloud and Big Data Computing, CBDcom 2017*
34. Julio Ortega, Dragi Kimovski, John Q. Gan, Andrés Ortiz, Miguel Damas, "A Parallel Island Approach to Multiobjective Feature Selection for Brain-Computer Interfaces", *14th International Work-Conference on Artificial Neural Networks 2017*



35. Nishant Saurabh, Dragi Kimovski, Francesco Gaetano and Radu Prodan, "A Two-Stage Multi-Objective Optimization of Erasure Coding in Overlay Networks", CCGrid 2017, Madrid, Spain 2017
36. Dragi Kimovski, Nishant Saurabh, Sandi Gec, Vlado Stankovski, Radu Prodan, "Multi-objective Optimization Framework for VMI distribution in Federated Cloud Repositories", EUROPAR 2016 LSVDE Workshop, Grenoble, France, August 2016
37. Nishant Saurabh, Dragi Kimovski, Simon Ostermann, Radu Prodan, "VM Image Repository and Distribution Models for Federated Clouds: State of the Art, Possible Directions and Open Issues", EUROPAR 2016 LSVDE Workshop, Grenoble, France, August 2016
38. Dragi Kimovski, Nishant Saurabh, Sandi Gec, Polona Stefancic, Gabor Kecskemeti, Vlado Stankovski, Radu Prodan, Thomas Fahringer, "Towards Decentralized Repository Services for Efficient and Transparent Virtual Machine Operations: The ENTICE Approach", IEEE International Conference on Cloud Networking, CloudNet 2016, Pisa, Italy, October 2016
39. Sandi Gec, Dragi Kimovski, Radu Prodan, Vlado Stankovski, "Using constraint-based reasoning for Multi-objective Optimization of the ENTICE environment", 12th International Conference on Semantics, Knowledge and Grids 2016, China, August 2016
40. Ljupco Baleski, Dragi Kimovski, Ninoslav Marina, "Hexagon Interconnection Network Topology", 7th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT) 2015 Location: Brno, CZECH REPUBLIC, Pages: 259-264
41. Dragi Kimovski, Julio Ortega, Andres Ortiz, Raul Banos, "Parallel cooperation for large-scale multiobjective optimization on feature selection problems", 18th European Conference, Evo Applications 2015, Pages: 693 - 705
42. Dragi Kimovski, Julio Ortega, Andres Ortiz, Raul Banos "Feature selection in high-dimensional EEG data by parallel multi- objective optimization", 2014 IEEE International Conference on Cluster Computing (CLUSTER) 2014, Pages 314-322
43. Plamenka Borovska, Dragi Kimovski, "alfaOmegaHighway Interconnection Network Architecture for High Performance Computing", The Seventeenth IEEE Symposium on Computers and Communication 2012, Pages: 345-347

#### **Other indexed conferences**

44. Alexandru Iosup, Radu Prodan, Ana-Lucia Varbanescu, Sacheendra Talluri, Gilles Magalhaes, Kailhan Hokstam, Hugo Zwaan, Vincent van Beek, Reza Farahani, Dragi Kimovski, "Graph Greenifier: Towards Sustainable and Energy-Aware Massive Graph Processing in the Computing Continuum", Companion of the 2023 ACM/SPEC International Conference on Performance Engineering
45. Reza Farahani, Dragi Kimovski, Sashko Ristov, Alexandru Iosup, Radu Prodan, "Towards Sustainable Serverless Processing of Massive Graphs on the Computing Continuum", Companion of the 2023 ACM/SPEC International Conference on Performance Engineering
46. Josef Hammer, Dragi Kimovski, Narges Mehran, Radu Prodan and Hermann Hellwagner "C3-Edge – An Automated Mininet-Compatible SDN Testbed On Raspberry Pis and Nvidia Jetsons", IEEE/IFIP Network Operations and Management Symposium, 2023
47. Reza Farahani, Dragi Kimovski, Sashko Ristov, Alexandru Iosup and Radu Prodan, "Graph-Serverlizer: A Sustainable and Serverless Solution for Massive Graph Processing", Serverless, Extreme-Scale, and Sustainable Graph Processing Systems - GraphSys 2023, Coimbra, Portugal
48. Kurt Horvat, Dragi Kimovski, Christoph Uran, Radu Prodan, Helmut Woelik, "Geofence-Based Service Discovery in the Computing Continuum", IEEE/ACM 15th International Conference on Utility and Cloud Computing, UCC 2022, USA
49. Dragi Kimovski, Hellmuth Platter, "Preemptive Online Scheduling in the Computing Continuum", IEEE International Workshop on Intelligence at the Edge (Intel4EC2022), USA
50. Dragi Kimovski, Christian Bauer, Narges Mehran and Radu Prodan, "Big Data Pipeline Scheduling and Adaptation on the Computing Continuum", IEEE International Workshop on Big Data Processing on the Computing Continuum (BDPROC2022), Turin, Italy

51. Dumitru Roman, Nikolay Nikolov, Brian Elvesæter, Ahmet Soyly, Radu Prodan, Dragi Kimovski et al, "DataCloud: Enabling the Big Data Pipelines on the Computing Continuum", The 15th International Conference on Research Challenges in Information Science, RCIS 2021
52. Radu Prodan, Thomas Fahringer, Dragi Kimovski, Gabor Kecskemeti, Attila Marosi, Vlado Stankovski, "Use Cases Towards a Decentralized Repository for Transparent and Efficient Virtual Machine Operations", 25rd Euromicro International Conference on Parallel, Distributed, and Network-Based Processing (PDP 2017)
53. Atanas Hristov, Iva Nikolova, Georgy Zaprayanov, Dragi Kimovski, "Resource Management Optimization in Multi-Processor Platforms", Third Nesus Workshop 2016, Sofia, Bulgaria
54. Dragi Kimovski, Julio Ortega, Andres Ortiz, Raul Banos, "Cooperacion paralela para seleccion multiobjetivo de características en problemas de dimension elevada", X Congreso Espanol de Metaheurísticas, Algoritmos Evolutivos y Bioinspirados - MAEB 2015, Pages 551-559
55. Dragi Kimovski, Julio Ortega, Andres Ortiz, Raul Banos, "Computacion evolutiva paralela y seleccion de características multiobjetivo para clasificacion no supervisada de EEGs", XXV Jornadas de Paralelismo - Jornadas Sarteco 2014, Valladolid
56. A . Matov , D. Kimovski et al, "Computational Analysis of Microtubule Dynamics for Personalized Prostate Cancer Therapy", American Association on Cancer Research 2013, USA
57. Dragi Kimovski, Atanas Hristov, "Buffer Management in High performance Routers", International Scientific Conference On Information, Communication, Energy Systems And Technologies, ICEST 2013, Macedonia
58. Plamenka Borovska, Dragi Kimovski, Atanas Hristov, "Step-Back-On-Blocking Flow Control Mechanism For High Performance Interconnection Networks", Xth International Conference CHER 21, 2012
59. Plamenka Borovska, Dragi Kimovski, Atanas Hristov, "Performance Evaluation Of Intel Threading Building Blocks And Openmp Programming Models", Xth International Conference CHER 21, 2012
60. Dragi Kimovski, Atanas Hristov, "Development of Virtual Storage System", Sixth International Conference – Computer Science 2011, Macedonia
61. Dragi Kimovski, Atanas Hristov, "Development of Hybrid MPI/CUDA Based Cluster for Educational Purposes", Sixth International Conference – Computer Science 2011, Macedonia
62. Dragi Kimovski, Atanas Hristov, "Development of highly parallel "Beowulf" cluster and optimization of MPI based implementation of the N-Queens problem with regards to the architecture of the system", X International Conference ETAI 2011, Macedonia