

DR. LUKA STANISIC

PHD IN COMPUTER SCIENCE (HPC)

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PROFESSIONAL EXPERIENCE

- PostDoc **Researcher in HPC** – STORM and HiePACS teams of Inria, Bordeaux Sud-Ouest (FRA) 12/15 -present
- Research and development of kernel models, simulations, performance evaluations and visualization tools for HPC applications
 - Enhancing reproducibility research in HPC community
 - Collaboration with physicists on performance evaluation and simulation of lattice QCD code
 - Teaching Operating Systems course to Master 1 students
- PhD **Researcher in HPC** – MESCAL and NANOSIM teams of Inria, Grenoble (FRA) 10/12 - 11/15
- Involved in the European Mont-blanc, ANR SONGS and ANR SOLHAR projects
 - Investigating energy-efficient hardware solutions for the future supercomputer platforms
 - Modeling and simulation of StarPU task-based runtime system using SimGrid simulator
 - Developing an unique methodology, based on Org-mode and Git, for performing reproducible experimental research
- Internship in **HPC** - MESCAL and NANOSIM teams of Inria, Grenoble (FRA) 02/12 - 07/12
- Benchmarking and comparing performance of CPU caches of ARM and Intel processors
- Software developer - SOL, Belgrade (SRB) 12/09 - 06/10

EDUCATION

- PhD** – Doctoral school of Mathematics and Informatics (EDMSTII), Univ. Grenoble-Alpes (FRA) 10/12 - 10/15
Thesis title: A Reproducible Research Methodology for Designing and Conducting Faithful Simulations of Dynamic Task-based Scientific Application
Scholarship of French Ministry of Higher Education and Research
- MSc** – Informatics (Distributed, Parallel & Embedded systems), Univ. J. Fourier, Grenoble (FRA) 09/11 - 06/12
Thesis title: Towards Modeling and Simulation of Exascale Computing Platforms, GPA 14.46/20
Scholarship for the best students of Serbian Ministry of Education
- BSc** – Faculty of Electrical Engineering, Dept. of Computer Science, Univ. of Belgrade (SRB), 10/06 - 12/10
Thesis title: The System for Generating Tests for HR Management Services , GPA 8.93/10
Scholarship for the best students of Serbian Ministry of Education

SKILLS

TECHNICAL			
HPC code development and performance evaluation Experimentation , statistical analysis and visualization		Modeling and simulation of HPC applications Scientific writing, presenting and reviewing	
PROGRAMMING	HPC RUNTIMES	SW PACKAGES	SYSTEMS
C , Fortran, C++, Java, Make, Shell , R Org-mode , Knitr/Sweave	MPI OpenMP StarPU	Emacs , LaTeX , Spack Git , SVN Matlab, Maple	Unix Windows
LANGUAGES			
English – fluent (CEA certificate) French – fluent (giving university lectures)		Serbian – native Russian – advanced (lived in Moscow for 7 years)	