

# **PRACE Summer of HPC 2017**

**Sunday, July 2, 2017 - Thursday, August 31, 2017**

**IT4Innovations National Supercomputing Center**

## **Projects**

**Projects for Summer of HPC 2017**

1701 Mr. LEBEDEV, Anton, Hybrid Monte Carlo Method for Matrix Computation on P100 GPUs, BSC, Barcelona, Spain

1702 Mr. WENNERSTEEN, Aleksander, Monte Carlo and Deep Learning Methods for Enhancing Crowd Simulation, BSC, Barcelona, Spain

1703 Mr. RODRÍGUEZ-BAZAGA, Adrián, Apache Spark: Are Big Data tools applicable in HPC?, CC SAS, Bratislava, Slovakia

1704 Mr. NEOPHYTOU, Andreas, Calculation of nanotubes by utilizing the helical symmetry properties, CC SAS, Bratislava, Slovakia

1705 Mr. STEHLÍK, Petr, Web visualization of Energy load of an HPC system, CINECA, Casalecchio di Reno, Italy

1706 Mr. MIRO JANE, Arnau, Web visualization of the Mediterranean Sea, CINECA, Casalecchio di Reno, Italy

1707 Mrs. ANEVLAVI, Dimitra, Development and validation of real-time earthquake hazard models, EPCC, Edinburgh, UK

1708 Mr. GREEN, Sam, Interactive weather forecasting on supercomputers as a tool for education, EPCC, Edinburgh, UK

1709 Mr. NURSKI, Jakub Piotr, Online visualisation of current and historic supercomputer usage, EPCC, Edinburgh, UK

1710 Mrs. PEZZULLI, Edwige, Visualizing European Climate Change, AUTH/GRNET, Athens, Greece

1711 Mr. ELBATTAH, Mahmoud, European climate model simulations, AUTH/GRNET, Athens, Greece

1712 Ms. MONTERO MARTINEZ, Ana Maria, El-Nino: It's periodicity and impact on world weather, ICHEC, Dublin, Ireland

1713 Mr. QUINN, Jamie, Radiosity in Computer Graphics, ICHEC, Dublin, Ireland

1714 Mr. BOURKE, David John, Visualization of real motion of human body based on motion capture technology, IT4Innovations, Ostrava, Czech Republic

1715 Ms. WANG, Shukai, Performance visualization for bioinformatics pipelines, IT4Innovations, Ostrava, Czech Republic

1716 Mr. PAPAPHILIPPOU, Philippos, Cude colors on phine grid, JSC, Jülich, Germany

1717 Mr. MIKKONEN, Antti Oskari, Hip, hip, hooray! Get your 2-for-1 GPU deal now., JSC, Jülich, Germany

1718 Mr. KOUKAS, Konstantinos, Accelerating climate kernels, UCPH, Copenhagen, Denmark

1719 Mr. MARZO, Alessandro, Tracing in 4D data, UCPH, Copenhagen, Denmark

1720 Mr. PACKHÄUSER, Jan, Parallel algorithm for non-negative matrix tri-factorization, UL, Ljubljana, Slovenia

1721 Mr. KUMAR, Paras, CAD data extraction for CFD simulation, UL, Ljubljana, Slovenia