

## 35th IEEE International Parallel & Distributed Processing Symposium

## IPDPS 2021 PhD Forum @ ipdps.org May 17, 2021

## **Research Projects Selected for Poster Presentation**

- Resource Elasticity at Task-Level
   Jonas Posner, University of Kassel, Germany
- 2 A CPU-GPU Scheduler Tolerant to Temporal Failures in Clouds Rafaela C. Brum, Federal Fluminense University, Brazil
- 3 Evaluation of Vertex Reordering for Graph Applications Reet Barik, Washington State University, USA
- 4 On the Predictability of Quantum Circuit Fidelity Using Machine Learning
  Norhan Elsayed Amer Abd Elgawad, Egypt-Japan University of Science and Technology (E-JUST)
- 5 Improving the Operational Capability of Automated Empirical Performance Modeling Marcus Ritter, Technical University of Darmstadt, Germany
- Development of a Middleware to Create an Efficient Unified Programming Model for Heterogeneous Computing
   Pablo Antonio Martínez, University of Murcia, Spain
- 7 Task-Level Checkpointing for Nested Fork-Join Programs
  Lukas Reitz, University of Kassel, Germany
- 8 E2Clab: Reproducible Analysis of Complex Workflows on the Edge-to-Cloud Continuum Daniel Rosendo, INRIA, France
- 9 *Verifiable Coded Computing: Towards Fast and Secure Distributed Computing*Tingting Tang, University of Southern California, USA
- 10 Task Scheduling in Reconfigurable Computing with OpenCL Pascal Jungblut, LMU Munich, Germany
- 11 Hierarchical Cost Analysis for Distributed Deep Learning Haoran Wang, University of Orléans, France
- 12 On the Road to a Unified Big Data and HPC Framework
  César Piñeiro-Pomar, Universidade de Santiago de Compostela (USC), Spain
- 13 Pattern-Aware Vectorization for Sparse Matrix Computations Khaled Abdelaal, University of Oklahoma, USA
- 14 Heterogeneity-Aware Deep Learning Workload Deployments on the Computing Continuum Thomas Bouvier, Inria Rennes, France