Publications

Journal Publications

- Computing Publications
  - 2021 - Machine Learning Methods for the Prediction of the Inclusion Content of Clean Steel Fabricated by Electric Arc Furnace and Rolling
  - 2021 - Developing a Training Web Application for Improving the COVID-19 Diagnostic Accuracy on Chest X-ray
  - 2020 - Software Quality Assurance in INDIGO-DataCloud project: a converging evolution of software engineering practices to support European Research e-Infrastructures
  - 2020 - Open is not enough
  - 2020 - Estimation of high frequency nutrient concentrations from water quality surrogates using machine learning methods
  - 2020 - Deep learning for proactive network monitoring and security protection
  - 2020 - DEEPaaS API: a REST API for machine learning and deep learning models
  - 2020 - DataCloud infrastructure to manage FAIR environmental data
  - 2020 - A cloud-based framework for machine learning workloads and applications
  - 2019 - Machine Learning and Deep Learning frameworks and libraries for large-scale data mining: a survey
  - 2019 - An efficient cloud scheduler design supporting preemptible instances
  - 2018 - umd-verification: Automation of Software Validation for the EGI Federated e-Infrastructure
  - 2018 - Resource Provisioning in Science Clouds: requirements and challenges
  - 2018 - Orchestrating Complex Application Architectures in Heterogeneous Clouds
  - 2018 - INDIGO-DataCloud: a Platform to Facilitate Seamless Access to E-Infrastructures
  - 2018 - Enabling rootless Linux Containers in multi-user environments: the udocker tool
  - 2016 - Standards for enabling heterogeneous IaaS cloud federations
  - 2016 - ooi: OpenStack OCCI interface
  - 2016 - Efficient image deployment in cloud environments
  - 2015 - The EGI Federated Cloud e-Infrastructure
  - 2014 - Validation of Grid Middleware for the European Grid Infrastructure
  - 2013 - Phenomenology Tools on Cloud Infrastructures using OpenStack
  - 2013 - Approaches to Distributed Execution of ScientificWorkflows in Kepler
  - 2012 - Software Provisioning process for EGI
  - 2012 - Integrating PROOF Analysis in Cloud and Batch Clusters
  - 2012 - Grid Engine batch system integration in the EMI era
  - 2012 - Fostering multi-scientific usage in the Iberian production infrastructure
  - 2010 - XMM–Newton Data Analysis with SAS Software Over GRID Technology
  - 2008 - Workflow-based data parallel applications on the EGEE production grid infrastructure
  - 2008 - The interactive European grid: Project objectives and achievements
  - 2008 - A Grid infrastructure for parallel and interactive applications
  - 2007 - A high availability solution for GRID services

- Lattice QCD Publications
  - 2018 - Quark mass renormalization in three-flavour QCD
  - 2018 - openQ*D simulation code for QCD+QED
  - 2018 - Light and strange quark masses from Nf=2+1 simulations with Wilson fermions
  - 2017 - Controlling quark mass determinations non-perturbatively 3-flavour QCD
  - 2016 - Non-perturbative running of quark masses in three-flavor QCD
  - 2015 - Prospects and status of quark mass renormalization in three-flavour QCD

- Altamira Publications
Conferences

- Conference Publications
  - 2017 - Improved Cloud resource allocation: how INDIGO-DataCloud is overcoming the current limitations in Cloud schedulers
  - 2016 - Evolution of the open cloud computing interface
  - 2014 - The role of IBERGRID in the Federated Cloud of EGI
  - 2013 - Identity Federation with VOMS in Cloud Infrastructures
  - 2013 - Analysis of Scientific Cloud Computing requirements
  - 2012 - Production change management using Puppet, Git, Jenkins and Gerrit
  - 2012 - IberCloud: federated access to virtualized resources
  - 2011 - Software Provision Process for EGI
  - 2011 - Fostering multi-scientific usage in the Iberian production infrastructure
  - 2011 - Focusing on an integrated computing infrastructure: the IFCA experience
  - 2011 - Experience on running the Ibergrid infrastructure within EGI
  - 2010 - Virtualization and network mirroring to deliver High Availability to Grid services
  - 2010 - Provisioning of Grid Middleware for EGI in the framework of EGI-InSPIRE
  - 2010 - Int.eu.grid
  - 2010 - Ibergrid transition to EGI

- Conference Presentation
  - Plantilla - 3

- Conference Posters
  - 2019/04 - Deep Learning techniques for Satellite data: Atmospheric Corrections
  - 2019/04 - Deep Learning as a Service for Satellite Imagery Super-resolution
  - 2013/10 - Experience with a frozen computational framework from LEP age