

ACAT 2014

- <https://indico.cern.ch/event/258092/>
- Conference: 1-5 September 2014
- Abstract submission: opens today (14 April 2014)
 - Abstract submission deadline: **30 May 2014**
 - Contribution acceptance announcement: 25 June 2014
 - Early registration: 1 July 2014
- Paper submission: **30 September 2014**
- Topic: Next generation of ATLAS PanDA monitoring
 - More complete BigPanDAm on overview than the ISGC2014 paper: more concrete examples: complete API description, steps to bring in a new VO, experience with performance tuning, SW testing, code quality, documentation, deployment, ...
- Track: deciding between “Distributed and Parallel Computing” and “Online Computing”

ACAT 2014 Tracks (selection)

- Computing Technology for Physics Research
 - Languages, Software quality, IDE and User Interfaces
 - Languages (new C++ standard, Java, ...)
 - Software quality assurance; code reflection; documentation, performance and debugging tools
 - IDE and frameworks
 - User Interfaces, Common Libraries.
 - Distributed and Parallel Computing
 - Multilevel parallelism
 - Distributed computing
 - GRID and Cloud computing
 - New architectures, many and multi-cores
 - Many-core
 - Accelerator-based computing (GPU, etc)
 - High precision computing (hardware)
 - Virtualisation
 - Online Computing
 - Advanced Monitoring, Diagnostics and Control
 - Scalable distributed data collectors
 - High Level Triggering (HLT)
 - Stream event processing & High Throughput Computing (HTC)