

VECPAR 2016

**12th International Meeting on
High Performance Computing for Computational Science**



June 28th to 30th, 2016 — Porto, Portugal

Workshops on June 30th and July 1st

First of all: thanks!

- Speakers
- Session chairs
- Michel Daydé

VECPAR Summary

- 4 very interesting keynotes
 - Modeling uncertainty and reducing problem dimension to solve important apps like the flow of the Antarctic ice sheet
 - HPC as a service: a very good illustration of the use of virtualized resources to solve problems in various domains. Use of machine learning techniques to predict resource usage

VECPAR Summary

- Runtime aware architectures: a very good overview of computer architecture bottlenecks and ways of solving them from the hardware and software sides with solutions to a range of applications
- Solutions to make linear algebra solvers resilient, showing the relevance of dealing with soft and hard errors originated by parallel computation

VECPAR Summary

- Crash course:
 - A very nice intensive course on new features of OpenMP for various kinds of programming models

VECPAR Summary

- Technical contributions
 - 1 session on low level support
 - 2 sessions on applications
 - 2 sessions on performance modelling and analysis
 - 3 sessions on Environments/Libraries to Support Parallelization
- Various architectures: multi-cores, many cores
- OpenMP, MPI, hybrid programming models

Participation

- Successful event with 100% presentation
- Nice and friendly environment

Workshops

- Conference does not end here!
 - Workshop
"Big Data & Deep Learning in HPC"
 - Room 4, in this building, upstairs
 - Workshop
"Computational Challenges for Climate Modeling and Weather Prediction"
 - Faculty of Engineering, room I-105 (Campus Asprela)
(you can take a bus – 204, the metro or a taxi)

Bids for 2018

- Candidates:
 - São Paulo state, Brazil
 - Petrópolis, Brazil
 - ???

Reminder

- Springer Proceedings
 - A message will be sent to all authors that presented their papers right after the conference with a calendar for reviewing, submission, and camera-ready.

Acknowledgements

Steering Committee

Scientific Program Committee

Publicity chair

Web chair

Workshop chair

Invited Speakers

Crash Course Instructors

Papers' Authors!

Special Acknowledgments

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- Alexandra Ferreira
- Isabel Gonçalves
- Isabel Neves

Sponsors



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VECPAR 2016, June 28th - June 30th Porto, Portugal