

# Joint ENCORE & PEPHER Workshop on Programmability and Portability for Emerging Architectures (EPoPPEA)

Wednesday, January 23, 2013, Berlin, Germany

in conjunction with the HIPEAC'13 conference (room: Nikolai 1)

[www.peppher.eu/hipeac13](http://www.peppher.eu/hipeac13)



## 10:00-11:00 Session 1: Welcome and Keynote

Chair: Eduardo César Galobardes (UAB, ES)

10:00-10:10 Sabri Pllana (University of Vienna, AT) "Welcome"

10:10-11:00 François Bodin (CAPS, FR) "Accelerator Codes Autotuning with OpenACC and OpenHMPP"

11:00-11:30 Coffee Break

## 11:30-13:00 Session 2: PEPHER

Chair: Alex Ramirez (BSC, ES)

11:30-12:00 Peter Sanders (Karlsruhe Institute of Technology, DE) "Algorithm Engineering for Large Data Sets"

12:00-12:30 Siegfried Benkner (University of Vienna, AT) "Performance Portability and Programmability for Heterogeneous Many-core Architectures (PEPHER)"

12:30-13:00 Christoph Kessler (Linköping University, SE) "Optimized Composition of Performance-aware Parallel Components"

13:00-14:30 Lunch Break

## 14:30-16:00 Session 3: ENCORE

Chair: Siegfried Benkner (University of Vienna, AT)

14:30-15:00 Alex Ramirez (BSC, ES) "Enabling technologies for a programmable many-core (ENCORE)"

15:00-15:30 Chunyang Gou (TU Delft, NL) "Reducing GPGPU programming efforts by improving its memory efficiency"

15:30-16:00 Polyvios Pratikakis, Spyros Lyberis (FORTH, GR) "The Formic architecture and Myrmics runtime system"

16:00-16:30 Coffee Break

## 16:30-18:00 Session 4: Demonstrations & Presentations

Chair: Nikola Puzovic (BSC, ES)

- Eduardo César Galobardes (UAB, ES) "AUTOTUNE demo"
- Xavier Teruel (BSC, ES) "OmpSs demo"
- Jiri Dokulil (University of Vienna, AT) "Supporting Hybrid Application Execution on Intel(R) Xeon Phi(TM) coprocessor"

