

Workshop Programme

- 9.00 – 9.05 **Welcome and opening address**
Sonja Klingert, University of Mannheim
- 9.05 – 10.00 **Presentation of the FP7 projects sponsoring EuroEcoDC 2013**
Chair: Sonja Klingert, University of Mannheim
- 9.05 **ECO2Clouds: Experimental awareness of CO₂ in federated cloud sourcing**
Barbara Pernici, Politecnico di Milano
- 9.25 **CoolEmAll: Platform for optimising the design and operation of modular configurable IT infrastructures and facilities with resource-efficient cooling**
Ariel Oleksiak, Poznan Supercomputing and Networking Center
- 9.45 **All4Green: Active collaboration in data centre ecosystem to reduce energy consumption and GHG emissions**
María Pérez Ortega, GFI Benelux
- 10.00 – 10.30 **Session 1a**
Chair: Barbara Pernici, Politecnico di Milano
- 10.00 **Improving Energy Efficiency in Data Centers and Federated Cloud Environments**
Eugen Volk, Axel Tenschert, Michael Gienger, Ariel Oleksiak, Laura Sisó and Jaume Salom
- 10.30 – 11.00 **Coffee break**
- 11:00 – 12:30 **Session 1b**
Chair: Barbara Pernici, Politecnico di Milano
- 11:00 **An Example of Methodology to Assess Energy Efficiency Improvements in Data Centers**
Marta Chinnici and Andrea Quintiliani
- 11:30 **Energy- and Heat-aware HPC Benchmarks**
Georges Da Costa, Thomas Zilio, Mateusz Jarus and Ariel Oleksiak
- 12:00 **Energy and Heat-Aware Metrics for Data Centers**
Laura Sisó, Jaume Salom, Ariel Oleksiak and Thomas Zilio
- 12:30 – 14.00 **Lunch break**
- 14.00 – 14.50 **Standardisation Landscape for the Energy Management and Environmental Viability of Data Centres**
André Rouyer, Chair of the CG CDG

introduced by *María Pérez Ortega, GFI Benelux*

14:50 – 15:40

Session 2

Chair: *Ariel Oleksiak, Poznan Supercomputing and Networking Center*

14:50

Energy-Aware Process Design Optimization

Cinzia Cappiello, Pierluigi Plebani and Monica Vitali

15:15

A Generic Architecture For Demand Response: The ALL4Green Approach

Robert Basmadjian, Gergo Lovasz, Michael Beck, Hermann De Meer, Xavier Hesselbach-Serra, Juan Felipe Botero, Sonja Klingert, Maria Perez Ortega, Juan Carlos Lopez, Andries Stam, Rick van Krevelen and Marco Di Girolamo

15:40 – 16:00

Coffee break

16:00 – 17:30

Metrics, benchmarks, and EC framework – Panel discussion

Chairs: *Sonja Klingert, University of Mannheim and Ariel Oleksiak, Poznan Supercomputing and Networking Center*