

# OGF23 Highlights

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- June 2-6, 2008, Barcelona, Spain
- ~500 attendees
- OGF-Europe's First International Event
  - ▶ Digital Repositories Community Outreach Seminar (Thursday)
  - ▶ Tutorial Program (Thursday and Friday)
  - ▶ Exhibition, Posters and Demos
- BEinGRID Industry Days Co-location
  - ▶ Real-world applications of grid in a wide range of sectors including finance, supply chain management, environmental sciences and more
- CoreGRID Industrial Showcase Demos (Wed-Thur)
- 30+ groups and BoFs
- Spec Adoption sessions
- Enterprise sessions and community sessions

# Green 関連アクティビティ(ワークショップ)

Using grid techniques to optimise energy efficiency

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## Session 1

- **Challenges and opportunities for grid in a low-carbon economy**
  - Dave Berry, Grid Computing Now!
- **An Enterprise Perspective on Energy Efficiency and Grids**
  - Nick Werstiuk, Platform
- **A model for predicting energy utilisation in data centres**
  - Liam Newcombe, British Computer Society

## Session 2

- **Low Carbon ICT, an institutional exemplar project making optimal uses of existing IT**
  - David Wallom, Oxford University
- **The EU Code of Conduct for data centres**
  - Liam Newcombe, BritishComputer Society
- **Discussion: Scheduling for energy efficiency: what are the next steps?**

# 発表スライド

[http://www.ogf.org/gf/event\\_schedule/index.php?event\\_id=10](http://www.ogf.org/gf/event_schedule/index.php?event_id=10)

Program Schedule - Windows Internet Explorer

OGF http://www.ogf.org/gf/event\_schedule/index.php?event\_id=10

OGF23 Program Schedule

### Wednesday, June 4

9:00 am - 10:30 am

- BEinGRID: Cross Technical Activities: Major Findings** (Barcelona A) (90 mins)  
Josep Martrat (Atos Origin)  
Slides (PDF): [Theo Dimitrakos - BT - BEinGRID Industry Days](#)  
Slides (PDF): [Kostas Kavoussanakis - EPCC - BEinGRID Industry Days](#)  
Slides (PDF): [Stefan Wesner - HLRS - BEinGRID Industry Days](#)
- Using grid techniques to optimise energy efficiency (1/2)** (Barcelona C) (90 mins)  
Ian Osborne and Dave Berry  
[View Participants](#)  
Slides (PDF): [Challenges and opportunities for grid in a low-carbon economy](#)  
Slides (PDF): [An Enterprise Perspective on Energy Efficiency and Grids](#)  
Slides (PDF): [Data Centre Energy Utilisation and Accounting](#)
- Group Discussion of the Schemata Documents** (Les Corts) (90 mins)  
(NM-WG) Group Discussion  
[View Participants](#)

# まとめ

- 企業、大学、データセンタで省電力に関する関心は高い
  - ▶ トータルエネルギーを最小化するスケジューリングアルゴリズム
  - ▶ 実際のエネルギーパフォーマンスを測定する実験
  - ▶ エネルギー効率のモデリング技術の改善
  - ▶ エネルギー消費のモニタリングや課金の標準フォーマット
  - ▶ 仮想化およびグリッド技術により、既存のリソースの利用効率向上
  - ▶ データセンタのマクロなレベルの電力消費量に関する指標から、サービスの実行毎の電力消費量モデル化が必要