Session 1 First Part

Monday 10th July

Malcolm Atkinson & David Fergusson

ISSGC
The 4th International
Summer School on Grid Computing

- ***Getting Started***

  - Forming a community

  - Establishing a culture

  - Introduction to Grid Computing

  - Introduction to Security

  - Introduction to the Facilities

  - Application Example

  - Reception

- *Welcome!*
  - Malcolm Atkinson
  - Almerico Murli
  - Diego Romano

- *Philosophy*
  - *We're all here to learn from each other*
  - *Build relationships*
  - *Build understanding and skills*
  - *Share the excitement of e-Science*

- *Quick Introductions!*
  - *Bibliographies, badges, posters, social events, teams, game, …*
  - *You do it your way!*

- *Students*
  - *Without you there wouldn't be a summer school*
    - 66 (13% female, 19% Italian, 24% British, 4.5% non-EU)
    - PhD students ~47%

- *Local Organisers*
  - *Almerico, Diego & their team*
    - Setting up the facilities
    - Handling student administration & finances
    - Finding the site & negotiating arrangements

- *Programme Committee*
  - *Assembling a curriculum and presenters*

- *Practical Committee*
  - *Sara & her team*

- *The Presenters*
  - *They give their time and resource their own travel*

- *The Sponsors & Contributors*
  - *They make it affordable*

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- ## *ISSGC Series*
  - *Started by EDG, EGEE & GGF*
    - *Fabrizio Gagliardi, Charley Catlett & Tony Hey*
  - *Built on CERN School of Computing*
  - *Previously held in Vico Equense*
    - *Supported by same Local Organisers*
    - *Supported by GGF*

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08:45   **Introduction to day & operational issues**
09:00   **High-level principles of theme**

(10:30 break with refreshments)

11:00   **Development of theme in real systems**

(12:30 lunch & relaxation)

14:30   **Practical session 1**

(16:00 break with refreshments)

16:30   **Practical session 2**

(18:00 break)

18:30   **Review of the day – *your* feedback**

(19:30 dinner)

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Mon	**Setting up context, Establishing Foundations, Introduction to Security, First Example**
Tues	**Distributed Computation Services illustrated with OMII Grid-SAM, Standards work at GGF**
Wed	**Distributed Services, Security, Second Example from Industry & Excursion**
Thu	**High-Throughput Distributed Computing illustrated with Condor, Grids & Software Engineering Panel**
Fri	**Integrated Grid Middleware illustrated with GT4, Future directions in Grid Middleware**
Sat	**Production Grids – deployment and operational experience, Panel on Grid Engineering**

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**EGEE Industry Workshop
&
Poster Judging Ends**

ICEAGE Forum

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Sun	**Boat trip around the Island**
Mon	**Advanced Grid R&D in Japan, Distributed & structured Data Management –with OGSA-DAI,**
Tues	**Science Gateways & workflows, Integrated services, Using large-scale grids – with gLite, Third Example**
Wed	**Advancing descriptive power, Ontologies and Semantic Grids, Excursion**
Thu	**Integrating practical, Fourth Example, Gala Dinner**
Fri	**Panel on the Future of Grid Systems, Wrap up & Farewells**

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- *Why do the practicals?*
  - *To reinforce the concepts & understand*
  - *To develop skills & build confidence*

- *Form of Practicals*
  - *Each technology or topic has a basic practical*
  - *Then it offers an advanced practical*
  - *These are intended to build further skill for …*

- *The Integrating Practical*
  - *A simulation of collaborative grid-enabled research*
  - *Each team makes its own choices*
  - *Friendly competition perhaps*
  - *Assess the utility of the available methods*
  - *Advance your understanding & confidence*

■ *Welcome and Introduction*

✦ Malcolm Atkinson, Almerico Murli & Diego Romano

■ *Distributed Systems: Context & Principles*

✦ Malcolm Atkinson

■ *Grid Systems: Introduction & Issues*

✦ Malcolm Atkinson

Basic Security

- John Watt

Introduction to the Practical Facilities

- Diego Romano

Geodise: Taking the Grid to the Engineer

- Graeme Pound

School Reception before dinner

Thanking our sponsors…