Session 1 First Part

Monday 10th July

Malcolm Atkinson & David Fergusson
Today

- **Getting Started**
  - Forming a community
  - Establishing a culture
  - Introduction to Grid Computing
  - Introduction to Security
  - Introduction to the Facilities
  - Application Example
  - Reception
Getting Started: Why we are here

• **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!*
Thank you

• **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*
• **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
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)
## Overview of Summer School

<table>
<thead>
<tr>
<th>Day</th>
<th>Content</th>
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<tbody>
<tr>
<td>Mon</td>
<td>Setting up context, Establishing Foundations, Introduction to Security, First Example</td>
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<tr>
<td>Tues</td>
<td>Distributed Computation Services illustrated with OMII Grid-SAM, Standards work at GGF</td>
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<td>Wed</td>
<td>Distributed Services, Security, Second Example from Industry &amp; Excursion</td>
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<td>Thu</td>
<td>High-Throughput Distributed Computing illustrated with Condor, Grids &amp; Software Engineering Panel</td>
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<td>Fri</td>
<td>Integrated Grid Middleware illustrated with GT4, Future directions in Grid Middleware</td>
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**EGEE Industry Workshop & Poster Judging Ends**

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

• **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
Today’s Morning Sessions

Welcome and Introduction
- Malcolm Atkinson, Almerico Murli & Diego Romano

Distributed Systems: Context & Principles
- Malcolm Atkinson

Grid Systems: Introduction & Issues
- Malcolm Atkinson
Today’s Afternoon Sessions

- **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...