

## Workshop Programme: From Abstract Data Mapping to 3D Photorealism

9.30 Introduction and welcome. Workshop objectives outlined.

9.45 - 11.15 Panel session [presentation of diagrams](#).

1. Science and Engineering.

- Diagrams of **Prof Ken Brodrie**, Data Visualization, Scientific Visualization
- **Dr Martin Turner**, Standard Scientific Dataflow Reference Models with Examples

2. Arts and Humanities.

- **Dr Julie Tolmie**, Mathematical Visualisation in the Arts
- **Dr Steve Wilkes**, Data Acquisition
- **Jonathan Green**, Real-time Data Acquisition

3. Science and Engineering.

- **Prof Roy Kalawsky**, 3D Modelling, Display Technologies
- **Dr Nijad Al-Najdawi**, Web-based Visualization, Game Engines

4. Arts and Humanities.

- **Carl Smith**, 3D Modelling
- **Dr Hugh Denard, Drew Baker**, 3D Documentation <-> 3D Modelling
- **Michael Takeo Magruder**, Web-based Visualization
- **Dr Sara de Freitas**, Game-based Visualization and Learning

**11:15 – 11:40 Coffee break**

11.40 - 12.10 Panel session [presentation of diagrams](#).

5. Science and Engineering.

- **Prof Nick Avis**, Grid Visualization
- **Dr Andrew Kaye, Dr Ron Fowler**, Visualization using Commodity Clusters

6. Arts and Humanities.

- **Dr Greg Sporton**, Grid Visualization
- **Dr Stuart Dunn**, AHeSSC, eScience in the Arts and Humanities.

12.10 - 12.20 Compiled contributed diagrams.

12.20 - 13.00 **Working discussion** - collaborative allocation of diagrams for the group sessions.

**13:00-13:45 Lunch (in dining room)**

### Group sessions: From Abstract Data Mapping to 3D Photorealism

13.45 - 14.40 Work in cross-domain groups 1:

|                                     |                         |              |
|-------------------------------------|-------------------------|--------------|
| Data/Scientific/Maths Visualization | Web-based Visualization | 3D Modelling |
|-------------------------------------|-------------------------|--------------|

14.45 - 15.40 Work in cross-domain groups 2:

|  |                  |                      |
|--|------------------|----------------------|
| Distributed & Grid-based Visualization | Data Acquisition | Display Technologies |
|--|------------------|----------------------|

**15.40-16.00 Coffee break (Group presenters upload relevant files.)**

16.00 - 16.30 Reconvene. Each group presents its (set of) diagrams.

16.30 - 17.00 Discussion (with refreshment) about emerging intersections at two levels:

- cross-domain orientation materials for multiple technologies and multiple visualization techniques for future conferences, courses, online resources.
- longer term cross-domain dialogue and collaboration opportunities.

**End of workshop**