It is an understatement to say that technology has enabled methodological innovation in diagram and spatial reasoning research. New technologies offer opportunities for recording data through video screen recordings; spatial navigation in real and virtual realities, visual attention monitoring, diagram activity on graphics tablets, and recording body position and gestures via position sensors and accelerometers. Whilst the rich data that these techniques yield offer exciting potential for research innovation, researchers face new methodological challenges due to its sheer volume and the challenge of triangulating data from multi-sources.

The workshop will consist of tutorial presentations and paper submissions. Experienced diagrams researchers will share their knowledge and experiences of diagrams research using innovative technologies including haptic devices, interactive surfaces, eye trackers and virtual reality systems. Interactive sessions on the use of computer-based tools for synchronizing and analyzing multi-source data will be offered. Workshop participants will have an opportunity to explore and observe the methods in action and discuss their potential for methodological innovation.

**PROGRAMME**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>09:00-09:15</td>
<td>Registration</td>
<td>Richard Cox</td>
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<tr>
<td>09:15-09:30</td>
<td>Opening session</td>
<td>Richard Cox</td>
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<tr>
<td>09:30-10:00</td>
<td>Oral Session 1</td>
<td>Richard Lowe and Jean-Michel Boucheix</td>
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<td>10:00-10:30</td>
<td>Oral Session 2</td>
<td>Cengiz Acarturk and Christopher Habel</td>
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<td>10:30-11:00</td>
<td>Q &amp; A followed by Interactive Sessions</td>
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<tr>
<td>11:00-11:30</td>
<td>Morning Break</td>
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<td>11:30-12:00</td>
<td>Oral Session 3</td>
<td>Jonathan P. San Diego</td>
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<tr>
<td>12:00-12:30</td>
<td>Oral Session 4</td>
<td>Cagatay Goncu and Kim Marriott</td>
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<tr>
<td>12:30-12:30</td>
<td>Q &amp; A followed by Interactive Sessions</td>
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<td>13:00-14:15</td>
<td>Lunch</td>
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<td>14:15-14:45</td>
<td>Oral Session 5</td>
<td>Andrew Stull, Trevor Barrett and Mary Hegarty</td>
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<td>14:45-15:15</td>
<td>Oral Session 6</td>
<td>Grecia Garcia Garcia and Richard Cox</td>
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<td>15:15-15:45</td>
<td>Q &amp; A followed by Interactive Sessions</td>
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<td>15:45-16:15</td>
<td>Afternoon Break</td>
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<td>16:15-16:45</td>
<td>Open Forum</td>
<td>Discussion about the Oral sessions</td>
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<td>16:45-17:15</td>
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<td>Discussion about the Interactive sessions</td>
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<td>17:15-17:30</td>
<td>Closing</td>
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Download the programme of abstracts here.

ORGANIZERS
Richard Cox (University of Edinburgh & Monash University)
Jonathan P. San Diego (King's College London)

PROGRAM COMMITTEE
Andy Stull (University of California Santa Barbara)
Ric Lowe (Curtin University)
Kim Marriott (Monash University)
Dave Barker-Plummer (Stanford University, USA)
Paul Marshall (University College London)
Shamus Smith (Durham University)

CALL FOR PAPERS IS NOW CLOSED
We call for paper submissions from colleagues on data capture and analysis topics including (but not limited to):

• Visual attention monitoring, e.g. eye tracking
• Haptic devices and feedback systems
• Interactive, multi-touch surface devices
• Rich (multi-source) data analysis
• Geospatial technologies
• Gesture recognition, body position sensing and measurement
• Graphical input recognition and parsing
• Mobile devices

Paper submissions may be in either of the following forms:

☐ full papers, 15 pages - consisting of original research and surveys
☐ short papers, 7 pages - consisting of systems descriptions, software demonstrations, and position statements.

Papers will be peer-reviewed by members of the workshop committee (plus some invited members of the Diagrams 2012 program committee).

The formatting style is LNCS. The necessary style files can be found here. Submissions are now open.

Please submit via EasyChair page for TEDR Workshop.

PROCEEDINGS
A preprint of the proceedings will be available at the workshop.

The proceedings will also be published by CEUR after the workshop.

IMPORTANT DATES
Abstract submission (full and short papers) Friday, March 30, 2012
Paper submission (full and short papers) Friday, April 6, 2012 (EXTENDED to April 16, 2012)
Notification Friday, May 4, 2012
Camera ready copy Friday, May 25, 2012
Early Registration deadline May 11th, 2012
Workshop Monday, July 2, 2012

All deadlines are at 11:59pm (23:59) UTC

CONTACT
If you have any questions, please contact the workshop organizers tedr2012@easychair.org

Tweeter hash tag: #TEDR2012

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