UDRC Communication and Engagement

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UDRC Project Manager

4th December 2013
Communication and Engagement

- Two-way communication of research through digital media and engagement activities
  - Strengthen the Research Collaboration
  - Creation of links with researchers and defence stakeholders
  - Allow a pull-through of innovations for future exploitation
Coordination

- Website [www.mod-udrc.org](http://www.mod-udrc.org)
- Industrial Affiliation Group
- Sensor Signal Processing for Defence (SSPD) Conference Series
- Summer Schools
- Themed Meetings
- Industrial Days
- UDRC Launch
Website

www.mod-udrc.org

• Research
• People
• Calendar
• Events
• News
• Data area

Next

• Publications
• Resources
• Data
Industrial Affiliates

Mailing List - Receiving updates on news and events from UDRC

- Posters
- Publications
- UDRC Events
- Related Events
- Annual Reports
- Data
- Find an expert
- Come and talk with us
Sensor Signal Processing for Defence Conference 2014

www.sspdconference.org

Location: Edinburgh
Date: 8th and 9th September 2014

To bring together researchers from academia, industry and government organisations

To discuss the latest developments in Signal Processing for Defence.

Technical sponsors: Signal Processing Society and proceedings will be indexed in IEEE XPLORE

Important Dates

Submission of Papers Deadline: 4th April 2014

Notification of Paper Acceptance
Due: 4th June 2014

Final version of paper due: 4th August 2014
Summer School

Location: Postgraduate Centre, Heriot-Watt University, Edinburgh

Week commencing 23rd June 2014
This course is aimed at researchers in defence, industry, government and academia with interests in Signal Processing for Defence.

• Improve knowledge
• Theoretical learning into practical engineering applications.
• Focal point for research in Signal Processing for Defence
• Stimulate new collaborations
Finite Set Statistics Summer School

Why Finite Set Statistics?
Used for multi-object Bayesian estimation (modelling and derivation of multi sensor/multi-target detection and tracking algorithms)

The Courses Covered:
• Concepts in probability theory
• Stochastic filtering
• Functional analysis
• Variational calculus
• Point process theory
• Multi-object estimation
• Practical implementations with sequential Monte Carlo and Gaussian mixture techniques

UK and USA Editions
• July and August 2013
• 5 days

Heriot Watt University/ Kirtland USAF Base
Academic/Defence/Industry attendees

• Excellent feedback and interest in more Summer Schools.
• Attendees all reported an enhanced understanding.
Themed Meetings

Lively technical meetings/workshops

- Source Separation and Sparsity (held Oct 2013)
- Uncertainty and anomaly detection (May 2014)
- Autonomous systems and processing (Nov 2014)
- Hardware and implementation (Feb 2015)
- Exploitation (Nov 2015)
Industrial Days

- Annual
- First event scheduled 27th June 2014
- Showcase work from UDRC
- Talks, Posters, Demos
- Opportunity to discuss research collaborations
# UDRC Calendar 2014

<table>
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<th>2014</th>
<th>UDRC Events</th>
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<tbody>
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<td>May</td>
<td>UDRC Themed Meeting:-Uncertainty and anomaly detection - 28/5/14</td>
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<tr>
<td>June</td>
<td>UDRC Summer School - 23/6/14 to 27/6/14</td>
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<td>UDRC Industrial Day - 27/6/14</td>
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<td>September</td>
<td>SSPD Conference – 8/9/14 &amp; 9/9/14</td>
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<td>November</td>
<td>UDRC Themed Meeting:- Autonomous systems and signal processing - date tbc.</td>
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UDRC Launch

• Posters/Presentations can be viewed at: www.mod-udrc.org/events/20131204-the-sensor-signal-processing-for-defence-launch

• Evaluation forms
• Any questions/queries:

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