UDRC Communication and Engagement

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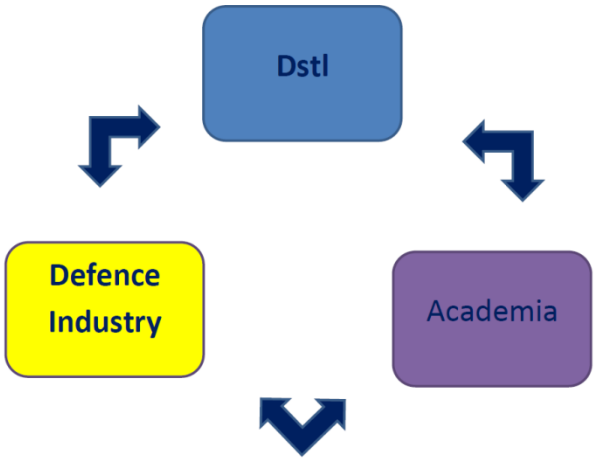
EPSRC
Engineering and Physical Sciences Research Council

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
- Industrial Affiliation Group
- Sensor Signal Processing for Defence (SSPD) Conference Series
- Summer Schools
- Themed Meetings
- Industrial Days
- UDRC Launch

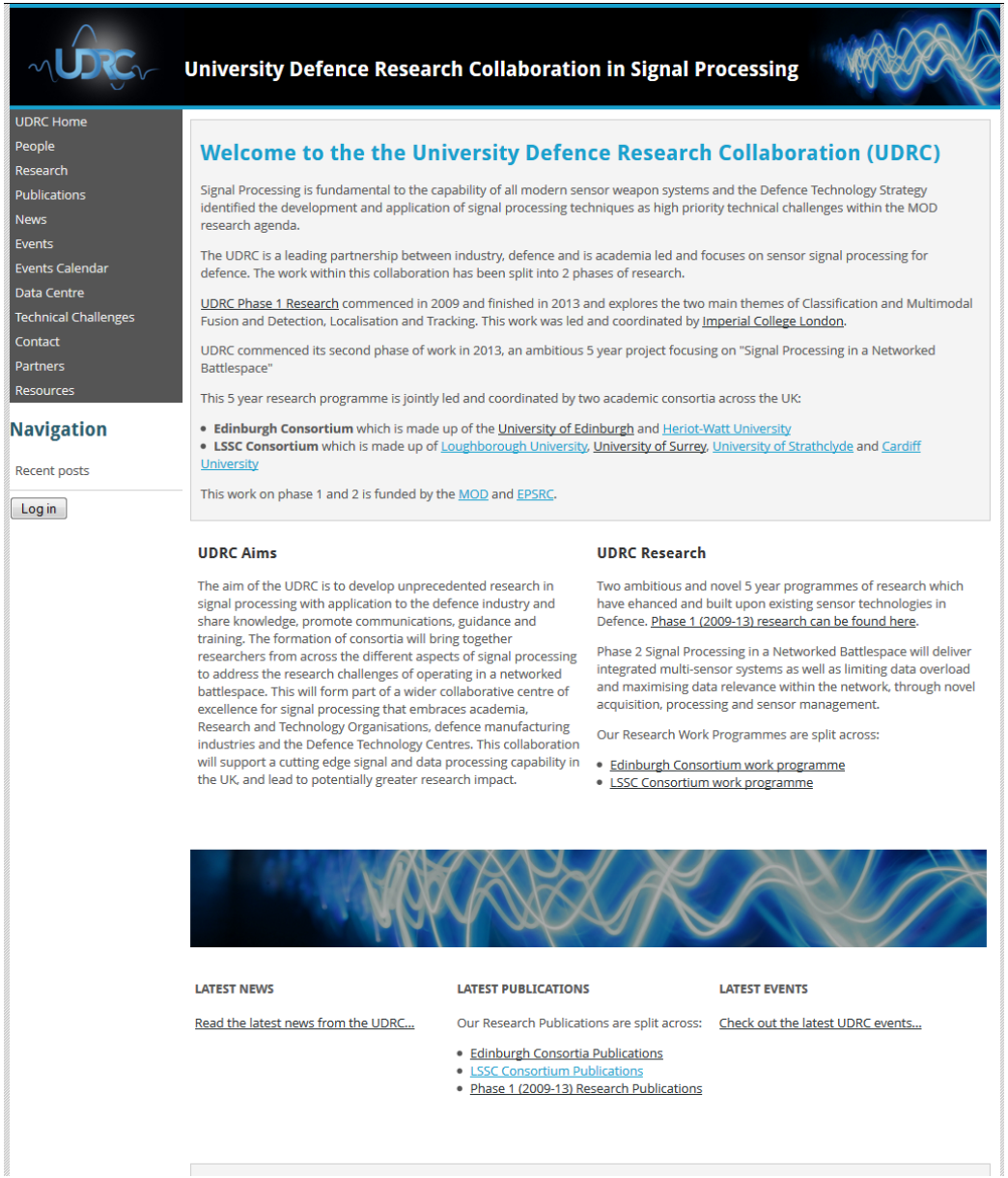
Website

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

2014	UDRC Events
January	
February	
March	
April	
May	UDRC Themed Meeting:-Uncertainty and anomaly detection - 28/5/14
June	UDRC Summer School - 23/6/14 to 27/6/14 UDRC Industrial Day - 27/6/14
July	
August	
September	SSPD Conference – 8/9/14 & 9/9/14
October	
November	UDRC Themed Meeting:- Autonomous systems and signal processing - date tbc.
December	

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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