# Agenda - Source Separation and Sparsity

| Thursday, October 31, 2013 | |
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| 9:15 am to 9:20 am | Introduction<br>*Prof. Mike Davies, Director, Edinburgh Consortium* |
| 9:20 am to 9:55 am | Source Dependency Modelling in Frequency Domain Source Separation<br>*Prof. Jonathon Chambers FREng, Director, LSSC Consortium* |
| 9:55 am to 10:30 am | Exploiting Sparsity in Signal Acquisition, Separation and Processing<br>*Prof. Mike Davies, Director, Edinburgh Consortium* |
| 10:30 am to 11.05 am | Adaptive Beamforming and Blind Signal Separation - are Higher Order Statistics Really Necessary?<br>*Prof. John McWhirter, FRS FREng, LSSC Consortium* |
| 11:05 am to 11.30 am | *Coffee* |
| 11:30 am to 12:05 pm | SubNyquist Electronic Surveillance<br>*Dr. Mehrdad Yaghoobi, Edinburgh Consortium* |
| 12:05 am to 12.40 pm | Audio-Visual Dictionary Learning and Probabilistic Time-Frequency Masking in Convolutive and Noisy Source Separation<br>*Dr. Wenwu Wang, LSSC Consortium* |
| 12:40 pm to 1:55 pm | *Lunch* |
| 1:55 pm to 2:30 pm | RF Interference Mitigation for UWB SAR using Image Sparsity<br>*Shaun Kelly, Edinburgh Consortium* |
| 2:30 pm to 3:00 pm | Source separation and electronic warfare – the challenges<br>*Stephen Clark, CEng FIET, Chief Technologist (Electronic Warfare) Selex ES Ltd* |
| 3:00 pm to 3:30 pm | Dstl present 2 current challenges |
| 3:30 pm to 4:30 pm | Refreshments available and split into groups to discuss solutions to one of the two challenges |
| 4:30 pm to 5:00 pm | Each group presents findings with open discussion.<br>Close |