

RADIO-WIRELESS  
SUMMER SCHOOL, EDINBURGH  
11-13 JUNE 2007

**P R O G R A M M E**

**Monday 11<sup>th</sup> June**

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|--------------------|--|
| 12.00 pm – 1.00 pm | Registration   |
| 1.00 pm – 2.15 pm  | Introduction to communication systems<br>- Michael Darnell, HW Communication Ltd<br><a href="mailto:michaeldarnell@btinternet.com">michaeldarnell@btinternet.com</a>                     |
| 2.15 pm – 3.30 pm  | Near-Instantaneously Adaptive MIMO-Aided HSDPA-<br>Style Wireless Transceivers<br>- Lajos Hanzo, University of Southampton<br><a href="mailto:lh@ecs.soton.ac.uk">lh@ecs.soton.ac.uk</a> |
| 3.30 pm – 4.00 pm  | <b>Afternoon break</b>   |
| 4.00 pm – 5.15 pm  | Introduction to Information Theory<br>- Peter Grant, University of Edinburgh<br><a href="mailto:Peter.Grant@ee.ed.ac.uk">Peter.Grant@ee.ed.ac.uk</a>                                     |

**Tuesday 12<sup>th</sup> June**

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|---------------------|--|
| 9.30 am – 10.45 am  | Channel Capacity Approaching Codes and Applications<br>- Bahram Honary, Lancaster University<br><a href="mailto:b.honary@lancaster.ac.uk">b.honary@lancaster.ac.uk</a> |
| 10.45 am – 11.15 am | <b>Morning break</b>   |
| 11.15 am – 12.30 pm | Channels and propagation models:<br>- Ian Glover, University of Strathclyde<br><a href="mailto:ian.glover@eee.strath">ian.glover@eee.strath</a>                        |
| 12.30 pm – 2.00 pm  | <b>Lunch</b>   |
| 2.00 pm – 3.15 pm   | Equalization/detection/receiver techniques:<br>- Jonathan Chambers, Cardiff University<br><a href="mailto:chambersj@Cardiff.ac.uk">chambersj@Cardiff.ac.uk</a>         |
| 3.15 pm – 3.45 pm   | <b>Afternoon break</b>   |

3.45 pm – 5.00 pm      Radio resource management in UMTS.  
- Tim O'Farrell, Leeds University  
[T.O'Farrell@leeds.ac.uk](mailto:T.O'Farrell@leeds.ac.uk)

**Wednesday 13<sup>th</sup> June**

9.30 am – 10.45 am      MIMO:  
- Sangarapillai Lambotharan, Cardiff University  
[lambbotharans@Cardiff.ac.uk](mailto:lambbotharans@Cardiff.ac.uk)

10.45 am – 11.15 am      **Morning break**

11.15 am – 12.30 pm      Access, CDMA, TDMA modulation and coding:  
- Garik Markarian, Leeds University  
[g.markarian@lancaster.ac.uk](mailto:g.markarian@lancaster.ac.uk)

12.30 pm – 2.00 pm      **Lunch**

2.00 pm – 3.15 pm      Wireless antenna and front end RF systems:  
- Izzat Darwazeh, UCL  
[Izzat.darwazeh@ucl.co.uk](mailto:Izzat.darwazeh@ucl.co.uk)

3.15 pm – 3.45 pm      **Afternoon break**

3.45 pm – 5.00 pm      Radio resource management:  
- Stephen Lowe, Wireless Broadband  
Association  
[s.lowe@ukonline.co.uk](mailto:s.lowe@ukonline.co.uk)