

Networkshop 36

Organised by JANET(UK) and The University of Strathclyde

The University of Strathclyde
8-10 April 2008

Programme

Tuesday, 8 April 2008

11:00 Registration – Barony Hall
Refreshments and Exhibition – Marquee, Barony Hall car park

12:30 *Lunch – Lord Todd restaurant*

Plenary Session

Chair Shirley Wood, JANET(UK)
Room The Barony Great Hall

13:45 Welcome
Derek Law, The University of Strathclyde

14:00 Lean mean and green: enhancing the university research machine
Derek Law, The University of Strathclyde

14:30 Development Programme Update
Jeremy Sharp, Head of Strategic Technologies

15:00 JANET Operations and Services
Tim Kidd, JANET(UK)

15:30 *Refreshments and Exhibition – Exhibition Area*

16:15 – 17:30 **Parallel Sessions – John Anderson Building**

Session 1a **Voice Services**
Chair Roger Bolam, JANET(UK)
Room K3.25

16:15 JANET Talk Trial
Roger Bolam, JANET(UK)

16:40 The transition to VoIP
Jake Hornsby, The University of Cambridge

17:05 VoIP and IP Telephony: A Carrier's Perspective
Richard McCammond, Verizon Business

Session 1b
Chair
Room

Network Security
Henry Hughes, JANET(UK)
K3.14

- 16:15 Virtualisation: A Networking and Security Conundrum
Matthew Cook, Loughborough University
- 16:40 Privacy at Work - Monitoring and Accessing Staff and Student
Accounts Legally
John Kelly, JISC Legal
- 17:05 Malware in the Virtual World
David Phillips, The Open University

Session 1c
Chair
Room

Network Engineering
Rina Samani, JANET(UK)
K3.17

- 16:15 JANET QoS Development project completion
Victor Olifer, JANET(UK)
- 16:40 Traffic Growth and Address Exhaustion
Rob Evans and Duncan Rogerson, JANET(UK)
- 17:05 The New Infrastructure Virtualization Paradigm, What does it mean
for Campuses?
Jean-Marc Uze, Juniper

Session 1d
Room

Exhibitor Session
K3.26

- 16:15 The future of IPAM - Visibility, Control & Compliance
Bluecat Networks (IP Performance)
- 16:50 Overcoming, securing and managing the challenges of network
and broadband services and delivering QOS
Ian Betteridge, Allot Communications (Wick Hill Ltd)

Session 1e
Room

Exhibitor Session
K3.27

- 16:15 How Verizon Business is addressing the market demand for advanced
collaboration tools
Richard McCammond, Verizon Business
- 16:50 The Value of Unified Communications
Stewart Braid, Damovo UK Ltd

17:45 – 18:30 **Birds of a Feather Slots Available for Delegates**

Birds of a Feather **A**
Chair **Mark Leese, JANET(UK)**
Room **K3.25**
Network Monitoring and Measurement

Birds of a Feather **B**
Chair: **Mathew Cook, Loughborough University**
Room **K3.14**
Practical implications of virtualisation

Birds of a Feather **C**
Chair **Mark Tysom, JANET(UK)**
Room **K3.17**
Federated access management

18:00 19:00 ***Wine Reception and Exhibition – Exhibition Area***

19:00-21:00 ***Dinner - Lord Todd Restaurant***

19:45 – 22:00 **Birds of a Feather Slots Available for Delegates**

Birds of a Feather **D**
Chair **Paul Seward, The University of Bristol**
Room **Lord Todd Conference Room**
Residential Networking

Wednesday, 9 April 2008

06:45 – 08:45 *Breakfast – Hotels*

Plenary Session

Chair **Frances Neilsen, JANET(UK)**
Room **The Barony Great Hall**

09:00 Wireless LAN Standards Update
Matthew Gast, Trapeze Networks

09:45 The Internet is no good for broadcasting. Or is it?
Erik Huizer, Technicolor

10:30 *Refreshments and Exhibition – Exhibition Area*

11:15 – 12:30 **Parallel Sessions – John Anderson Building**

Session 2a **Network Mobility**
Chair **Mark O’Leary, JANET(UK)**
Room **K3.25**

11:15 Location Awareness Trial Activities
Gareth Ayres, Swansea University and
Eoghan Furey, The University of Ulster

11:40 Roaming: where next?
Josh Howlett, JANET(UK)

12:05 Mobile IP Trial Activities
Chris Edwards, Lancaster University

Session 2b **Networking and Researchers**
Chair **David Salmon, JANET(UK)**
Room **K3.14**

11:15 Research Infrastructures on JANET
David Salmon, JANET(UK)

11:40 OptIPuter, remote microscopy across the lightpath
David Wallom, The University of Oxford

12:05 Neurosurgery with Lightpaths
Steven Manos, University College London

**Session 2c
Chair
Room**

**JANET Regional Networking Developments
Roland Trice, JANET(UK)
K3.17**

- 11:15 Building an Optical Regional Flexible Transmission Platform
Tim Robinson, Network North West
- 11:40 Design and Implementation of LeNSE2
Mike Byrne, LeNSE Limited
- 12:05 Optical Redesign of C&NLMAN
Mark Jameson, Lancaster University

**Session 2d
Room**

**Exhibitor Session
K3.26**

- 11:15 Demystifying Unified Communications (including live demonstration)
Andy Wood, Affiniti
- 11:55 The importance of Planning and Specifying for University Network
Infrastructures
Neil Atack, ADC Krone

**Session 2e
Room**

**Exhibitor Session
K3.27**

- 11:15 "Next Generation" NAC, deployments into Education Networks. Past
and future trends
Andrew Brimson (Khipu Networks) and
Rick Leclerc (Bradford Networks)
- 11:55 Acceptable and Fair usage policies:
Evolving to suite the needs of the Millenials
Michael Foster, Netfort Technologies

12:30

***Lunch – Lord Todd Restaurant
Refreshments and Exhibition – Exhibition Area***

**Plenary Session
Chair
Room**

**Network Access
Roland Trice, JANET(UK)
The Barony Great Hall**

- 14:00 Learning from the bad guys
Chas Tomlin, Team Cymru
- 14:30 E-mail archiving: All Things to All People
Garry Booth, Loughborough University

15:00 The evolution of Free RADIUS and future developments
Alan DeKok, FreeRADIUS

15:30 Refreshments and Exhibition – Exhibition Area
Exhibition closes at 16:30

16:15 – 17:30 Parallel Sessions – John Anderson Building

Session 3a IPTV
Chair Roger Bolam, JANET(UK)
Room K3.25

16:15 Delivering IPTV across campus
Nick Race, Lancaster University

16:40 Adventures on the Airwaves - From pirate radio to internet streaming
- the practicalities of building a Community Radio Station
Bruce Rodger and Mark Sheridan, The University of Strathclyde

17:05 IPTV deployment to halls of residence
Simon Mulholland, University of Leeds

Session 3b 802.1x Supplicant
Chair Louis Searchwell
Room K3.14

16:15 Open 1x Supplicant Development
Chris Hessing, Identity Engines

16:40 Experiences from the JANET 802.1x supplicant trial
Alan Buxey, Loughborough University

17:05 Free the RADIUS: Expanding 802.1x beyond the niche network
Arran Cudbard-Bell, The University of Sussex

Session 3c Networking Technologies Development
Chair David Salmon, JANET(UK)
Room K3.17

16:15 Provider Backbone Transport – Carrier Grade Ethernet
Paul Indoo, Nortel

16:40 Future Routing and Addressing Models
Rob Evans, JANET(UK)

17:05 Looking in EARNEST for future directions in European Research and
Education Networking
Kevin Meynell, TERENA

**Session 3d
Room**

**Exhibitor Session
K3.26**

16:15 Reality of location tracking and wireless
Alistair Mutch, Trapeze Networks

16:50 Building Simple, Secure and Green Networks
Paul Hooper, Extreme Networks

**Session 3e
Room**

**Exhibitor Session
K3.27**

16:15 Video Learning Experiences in Virtual Learning Environments
Steve Winfield, Polycom

16:50 Deploying an Authenticated Network - Case Studies from US colleges
Identity Engines

17:45 – 18:30 Birds of a Feather Slots Available for Delegates

**Birds of a Feather
Chair
Room**

E
Louis Searchwell, JANET(UK)
K3.25
802.1x supplicant and JRS Development

**Birds of a Feather
Chair
Room**

F
Mark Leese, JANET(UK)
K3.14
Introduction to Netsight

**Birds of a Feather
Room**

G
K3.17

18:30 Finish

18:45 – 19:00 Coachs to Kelvingrove Art Gallery and Museum

19:30 *Drinks Reception*

20:15 *Conference Dinner*

22:45 – 23:45 *Coaches return to the Premier Travel Inn and Jurys Inn Hotels*

Thursday, 10 April 2008

06:45 – 08:45 *Breakfast at Hotels*

09:00 – 10:30 **Parallel Sessions – John Anderson Building**

Session 4a **Network Management**
Chair **Mark Leese, JANET(UK)**
Room **K3.25**

09:00 JANET(UK) Measurement and Monitoring Activities
Mark Leese, JANET(UK)

09:30 Network Monitoring
David Round, Bangor University

10:00 LanWarden – LDAP driven 802.1x and DHCP
Alexander Clouter, The School of Oriental and African Studies

Session 4b **Campus Networking**
Chair **John Littledale, JANET(UK)**
Room **K3.14**

09:00 “No-net” to “Res-net” in 6 months
Garry Wardrope, University of Aberdeen

09:30 Residential Networking in Manchester
Lee Stott, The University of Manchester

10:00 Implementing Delegate Network Access for Networkshop
Jethro Binks, University of Strathclyde and
Andy Pearce, Identity Engines

Session 4c **Access Management**
Chair **Mark Tysom, JANET(UK)**
Room **K3.17**

09:00 An installer for the Shibboleth 1.3 Identity Provider running on
Windows Active Directory
Rod Widdowson, SDSS

09:45 Shibboleth 2.0
Chad La Joie , Switch

10:30 *Refreshments – The Lord Todd Restaurant*

Plenary Session

Chair
Room

Tim Marshall, JANET(UK)
The Barony Great Hall

11:15 The Tunnel at the end of the Light
Phil Male, Thus plc

12:00 Summing up and Close of Conference

12:30 *Lunch – Lord Todd Restaurant*