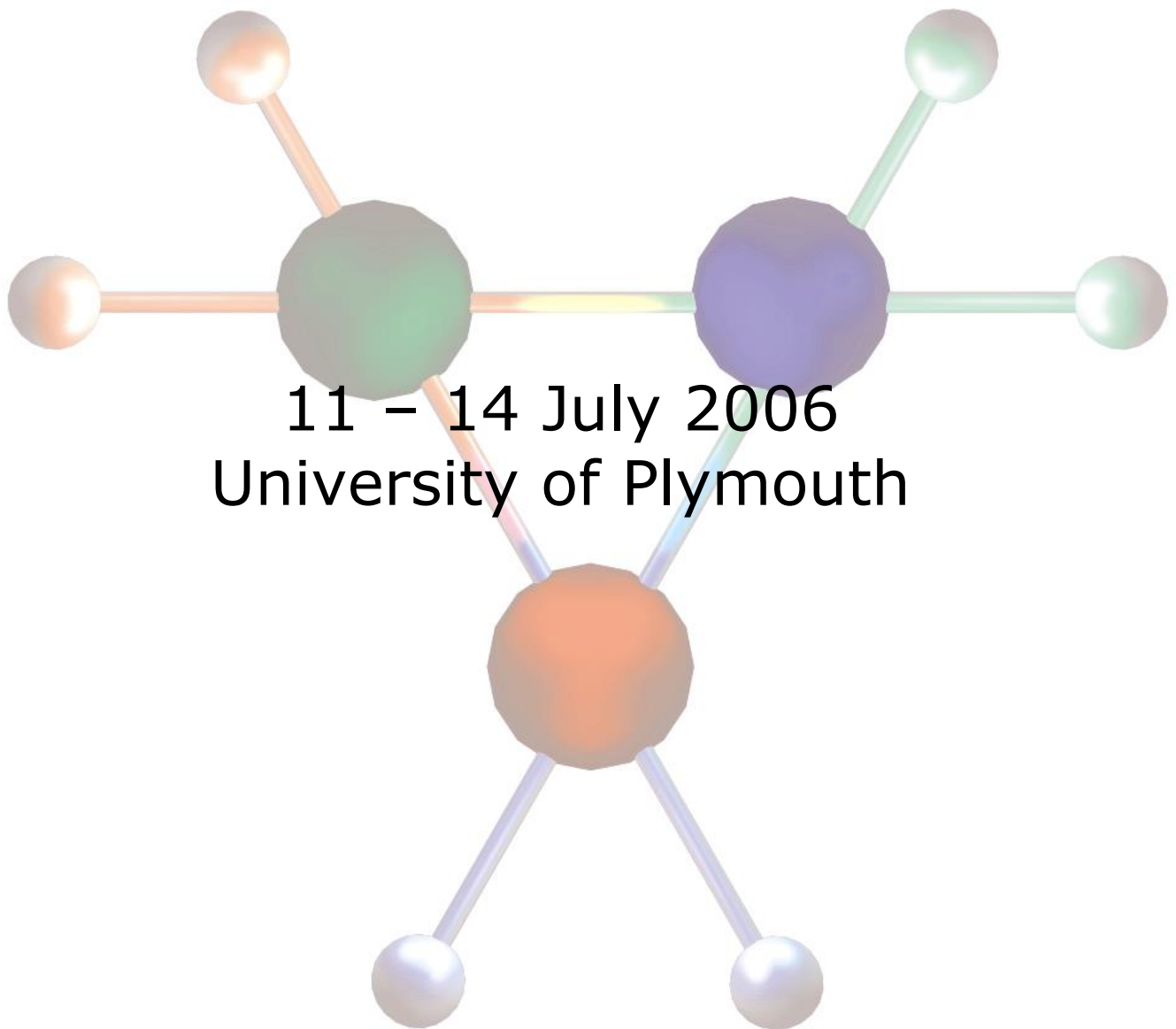


INC 2006

Organised by the Network Research Group, University of Plymouth



11 – 14 July 2006
University of Plymouth

Programme

Overview

Monday 10th July, 2006	Registration (16:00-18:00)
Tuesday 11th July, 2006	Registration (from 09:00) Opening ceremony Paper presentations Welcome Reception
Wednesday 12th July, 2006	Paper presentations Conference Dinner
Thursday 13th July 2006	Paper presentations Fondue Evening
Friday 14th July 2006	Networking Tutorial

Social Events

Tuesday 11th July, 2006 – Welcome Reception

19:00 Civic Reception hosted by the Lord Mayor of Plymouth at the Plymouth Dome.

We will assemble at the Sherwell Conference Centre at 18:30 and walk to the reception venue.

Wednesday 12th July, 2006 – Conference Dinner

We will assemble at the Sherwell Conference Centre at 18:15 for a coach departure to Cotehele House, dinner will be at 20:00, return to Plymouth around 22:30.

Thursday 13th July, 2006 – Fondue Evening

We will assemble at the Sherwell Conference Centre at 18:00 for a short coach journey to Plymouth Dry Ski Slope, dinner at 20:00, return to Plymouth around 22:00.

**Please ensure your mobile phone / pager /
watch alarms are turned off during the
conference sessions.**

Tuesday 11th July 2006

10:00 Introduction and welcome to INC 2006
Steven Furnell, Conference Chair

Keynote – Mike Pilbeam, Vice-President, Worldwide Technical Operations, Cisco Systems, "Moving into second gear on the Information Super Highway!"

Coffee/Tea Break

Hall One

Session 1 : Network Technologies [11:20 - 13:05] Chair : Mike Pilbeam, Cisco Systems

Translating Latency Requirements into Resource Requirements for Game Traffic
C. Majewski, **C. Griwodz** and P. Halvorsen (Norway)

Structure and Performance of Open Access Networks - Case Lappeenranta Model
M. Juutilainen, T. Lapinlampi, J. Ikonen and J. Porras (Finland)

Improving Efficiency and Manageability in IPFIX Network Monitoring Platform
F. Jakab, **R. Jakab**, M. Kascak and J. Giertl (Slovak Republic)

Hall Two

Session 1 : Security and Privacy [11:20 - 13:05] Chair: Nathan Clarke, University of Plymouth

An Audit Methodology for the Security Review of VoIP
I. Pompogiatzis, **T. Tryfonas** and I. Sutherland (UK)

A New Taxonomy for Intrusion Detection
C.J. Tucker, S.M. Furnell, B.V. Ghita and P.J. Brooke (UK)

Security-Relevant Semantic Patterns of BPEL in Cross-Organisational Business Processes
K. P. Fischer, U. Bleimann, W. Fuhrmann and S. M. Furnell (Germany, UK, Australia)

Lunch Break – ROBBINS CENTRE

Session 2 : Mobile & Wireless Networking [14:15 - 16:00] Chair : Carsten Griwodz, University of Oslo

New Architecture for a Centralized Next Generation Profile Register in Future Mobile
Telecommunication Networks
A. Diehl, J. Soler, W. Fuhrmann, U. Bleimann, P. Reynolds and B. Ghita (Germany, UK,
Denmark)

Adaptive Sink Mobility in Event-Driven Clustered Single-Hop Wireless Sensor Networks
Z. Vincze, D. Vass, R. Vida and A. Vidács (Hungary)

Quorum Based Geographically Static Data Storage in Ad-Hoc Networks
G. Owen and M. Adda (UK)

Session 2 : Security and Privacy [14:15 - 16:00] Chair : Paul Dowland, University of Plymouth

Appraising Information Security Rituals in Primary Medical Practice
P.A.H. Williams (Australia)

Personal Privacy: Exploitation or Control through Technology
S. Atkinson, P. Jagodzinski, C. Johnson and A.D. Phippen (UK)

Handwriting Verification for Mobile Devices
NL Clarke and AR Mekala

Coffee/Tea Break

Session 3 : Network Technologies SESSION CANCELLED

Session 3 : Security and Privacy [16:20 - 17:30] Chair : Peter Sanders, University of Plymouth

Stream or Block Cipher for Securing VoIP?
A.D. Elbayoumy and S.J. Shepherd (UK)
Twisting an Elliptic Curve to Speed up Cryptographic Algorithms
B. Englert, D. Goldstein and **W. Murray** (USA)

19:00 Welcome Reception (Plymouth Dome)

Depart from the conference venue at 18:30

Wednesday 12th July 2006

09:00 Keynote - Prof. Rossouw von Solms, Nelson Mandela Metropolitan University, South Africa
"Information Security Governance: What is it and what role does network management play?"

Coffee/Tea Break

Hall One

Session 1 : Security and Privacy [10:30 - 12:15]

Chair : **Rossouw von Solms, Nelson Mandela Metropolitan University**

An Attack Tree Approach for Measuring Security
K. Karppinen, R. Savola and J. Kajava (Finland)

Preventing Phishing Attacks Using Trusted Computing Technology
A. Alsaïd and C.J. Mitchell (UK)

PROMISing Steps Towards Computer Hygiene
V. Vlachos, A. Raptis, and D. Spinellis (Greece)

Hall Two

Session 1 : Applications & Impacts [10:30 - 12:15]

Chair: **Andy Phippen, University of Plymouth**

Extended Blended Learning – Innovative Learning Scenarios for Universities
U. Bleimann and F.J. Röhl (Germany)

Application of Mobile Phones in m-Training in Logistics
K. Amborski and E. Ginters (Poland, Latvia)

Approaches for Personalised Knowledge Retrieval
R. Loew, K. Kuemmel, J. Ruprecht, **U. Bleimann** and P. Walsh (Ireland, Germany)

Lunch Break – SHERWELL GROUND FLOOR

Session 2 : Mobile & Wireless Networking [13:30 - 15:15]

Chair : **Paul Reynolds, France Telecom**

Modelling and Performance Analysis of the Centralized Scheduling in IEEE802.16 Mesh Mode
J. Chen, C. Chi and Q. Guo (China)

Quality of Service on Wireless ATM
M. Adda, **A. Peart** and N. Watkins (UK)

Architectural Considerations for Reachability Management in Mobile Communications
J.A. Ophoff and R.A. Botha (South Africa)

Session 2 : Poster Session [13:30 - 15:15]

Chair : **Nathan Clarke, University of Plymouth**

Policy-based Network Access
J. Strohmeier and F. Pucher (Austria)

Non-Linear Extended Blended Learning
O. Schneider, U. Bleimann, B. Harriehausen and A.D. Phippen (Germany, UK)

User Awareness of Biometrics (including demo)
B. Edmonds and S.M. Furnell (UK)

Coffee/Tea Break & Poster Displays

Session 3 : Network Technologies [15:45 - 16:55]

Chair : **Bogdan Ghita, University of Plymouth**

Extended End-to-End Cost Metrics for Improved Dynamic Route Calculation
N. Houlden, V. Grout, J. McGinn and J. Davies (UK)

Realistic Large-Scale Network Optimisation
V. Grout, R. Picking, **S. Cunningham** and R. Hebblewhite (UK)

Session 3 : Web Technologies [15:45 - 16:55]

Chair : **Mike Evans, University of Reading**

Semantic Cooperation and Node Sharing Among P2P Networks
G. Exarchakos, J. Salter and N. Antonopoulos (UK)

From Page Ranking to Topic Sensitive Page Ranking: Implementation and Impact
F. Rimbach, M. Dannenberg, **U. Bleimann** and S.M. Furnell (UK, Germany)

Medieval Banquet

Coach departs at 18:30, dinner at 20:00, return to Plymouth around 22:30

Thursday 13th July 2006

09:00 Keynote - Andy Press, Director of Commercial Operations, Kingston Communications (HULL) PLC (Eclipse Internet), UK
"Broadband is more than just a pipe"

Coffee/Tea Break

Hall One

Session 1 : Security and Privacy [10:30 - 12:15] Chair : Steven Furnell, University of Plymouth

Strengthening Password Authentication Systems
M. Albataineh and **A. En-Nouaary** (Canada)

A Conceptual Framework for Privacy Policy Negotiation in Web Services
C. Wu, **V. Potdar** and E. Chang (Australia)

Towards a Classification Framework for Security Patterns
A. Graziano, A. Dearden, J.W. Seaton, L.A. Williams (UK)

Hall Two

Session 1 : Network Technologies - QoS [10:30 - 12:15] Chair: Doukas Charalampos, University of the Aegean

Analysis of Bandwidth Redistribution Algorithm for Single Source Multicast
D. Komosny and V. Novotny (Czech Republic)

Traffic Engineering and NMS for Provisioning DiffServ and VPN in MPLS Network
H. Jung, **S. Yun**, S. Song, D.Kim and S.Kim (Korea)

Programmable Subsystems: A Traffic Shaping & Packet Prioritizing Case Study
P. Halvorsen , Ø.Y. Sunde, **A. Petlund** and C. Griwodz (Norway)

Lunch Break – SHERWELL GROUND FLOOR

Session 2 : Web Technologies [13:30 - 15:15] Chair : Nick Antonopoulos, University of Surrey

An Approach of Service-Oriented Architecture using Web Service and BPM for Service Delivery in Telecom-OSS domain
J.W. Kim and K.J. Kim (Korea)

Active Services Substantiation through SOAP
C. Doukas and G. Kormentzas (Greece)

Analyzing Google's Rankings using Web Site Query-Independent Factor Analysis
M.P. Evans (UK)

Session 2 : Poster Session [13:30 - 15:15] Chair : Andy Phippen, University of Plymouth

Fitting Extended Blended Learning and Multi-Dimensional-Personalization into Learning Management Systems
S. Schilke, U. Bleimann, I. Stengel and A.D. Phippen (UK, Germany)

Defining Development Standards for Reusable User Interface Components
M. Mulawa, R.Picking and V.Grout (UK)

Remote-Controlled Home Automation Systems with Different Network Technologies
A.R. Delgado, R. Picking and V. Grout (UK)

Coffee/Tea Break & Poster Displays

Session 3 : Mobile & Wireless Networking [15:45 - 16:55] Chair : Xingang Wang, University of Plymouth

Optimisation Techniques for Wireless Networks
M. Morgan and V. Grout (UK)

A Generic Group Key Management Framework for Group Communication in Wireless Mobile Environments
L.M. Kiah and K. Martin (UK)

Session 3 : Applications & Impacts [15:45 - 16:55] Chair : Udo Bleimann, University of Applied Sciences Darmstadt

Strategies for the Blocking of RFID Tags
C. Bolan (Australia)

An Approach to Forming Coalitions and Negotiating in Multi-Agent Environments
I.Stengel, U.Bleimann and J.Stynes (Germany, Ireland)

17:00-17:10 - INC Closing Ceremony & Announcing INC2008

Fondue/Snow Tubing/Tobogganing Evening

Depart at 18:15, dinner at 20:00, return to Plymouth around 22:00

End of Main Conference

Friday 14th July 2006

Networking your business: A tutorial in networking and Internet technologies

This is an extra event organised by the Network Research Group and focussed at SME's in the SW region of the UK. Conference delegates are more than welcome to attend this day (at no further charge) but should be advised that the presentations will be aimed at a non-technical audience.

**Networking your business:
A tutorial in networking and Internet technologies**

[08:45 - 09:00] Registration

[09:00 - 09:10] Welcome

[09:10 - 10:10] Session 1 : Understanding Network Infrastructure

Networking terminology – performance, data, devices

Connecting computers – hardware / software,

Connecting to the Internet – speeds, Internet Service Providers, broadband and dial-up

Coffee/Tea Break

[10:30 - 11:15] Session 2 : Advantages of Networking

Local services: backup, storage, file servers

Internet services: visibility, access to information, communication

Remote access

Telephone network integration: Voice over IP

[11:15 - 11:40] Session 3 : How to Build a Network

Design – physical connectivity, performance, Internet connectivity

Purchase: specification, stores, comparison websites, reviews

Setup – IP addressing and services

Troubleshooting - configuration and connectivity

[11:40 - 12:00] Session 4 : The Wireless Alternative

Infrastructure of wireless networks

Connectivity and configuration

Security

Lunch – Sherwell Centre Ground Floor

[13:00 - 14:00] Session 5 : Secure Networking

The need for security

Hardware & software, market, pricing

Antivirus and firewall software/hardware

Case studies/examples

[14:00 - 14:40] Session 6 : Understanding the Internet

Internet structure – hosts, networks

Understanding the “health” of the network

Troubleshooting tools

[14:40 - 15:00] Session 7 : Internet Trends

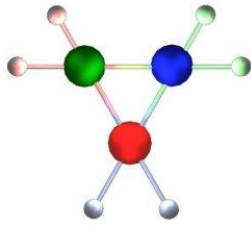
Mobile internet

“Triple play” services

WiMax

[15:00 - 15:30] Open Q&A and Discussion

END OF TUTORIALS



Sixth International Network Conference INC2006

11-14 July 2006

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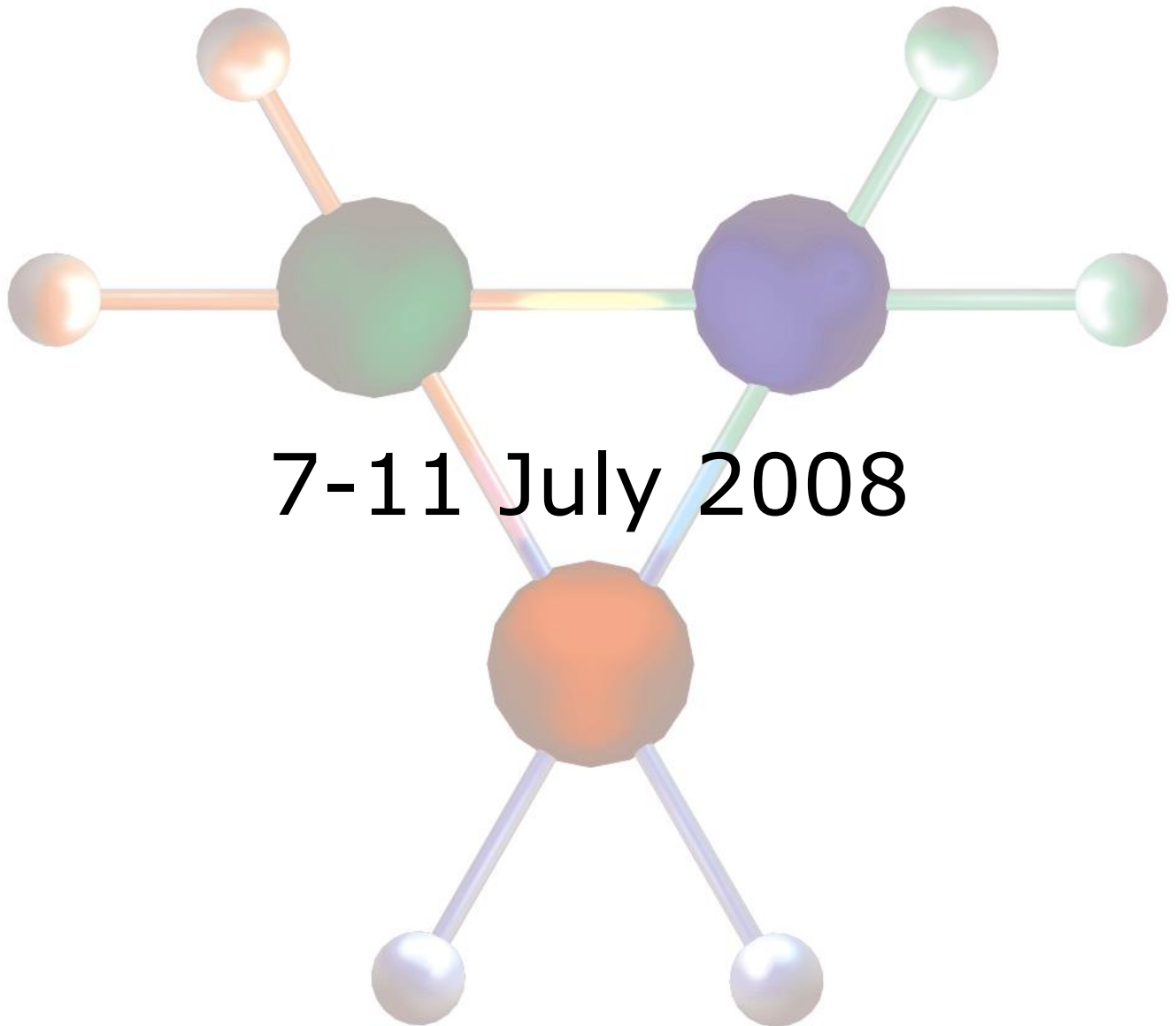
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INC 2008

Organised by the Network Research Group, University of Plymouth



7-11 July 2008

www.inc2008.org