



Emerging Web and Telecom Services: Collision or Coopetition?

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EMERGING WEB AND TELECOM SERVICES: Collision or Coopetition?



ICIN is a world leading international conference on the intelligent service layer of communications networks and deals with all aspects of service, network, customer and terminal control.

ICIN 2007 will provide a first class opportunity for delegates to discuss and understand the hot topics currently driving the intelligent service layer of the communications network. The conference will build on the success of our previous conferences, and will continue to provide insight into the impact of new web services on the service offering of telecommunication networks and the key role played by the intelligent service layer in delivering new and exciting products and services. As the industry moves forward we will see cooperation or competition between these services, giving room for new business models and new players. It is essential that the industry recognizes the key role of communications technology and communications services within future networks, as these can radically change the way that people work and play, with communications becoming a central part of many of their activities.

ICIN has a track record of attracting the leading experts in the industry with high quality presentations and discussions and it is recognized as one of the leading conferences in its domain. ICIN 2007 will open with four keynote addresses from European and North American industry leaders and be followed with state-of-the-art presentations running in parallel sessions.

MONDAY 8 October 2007 Tutorials

09:00 a.m. Tutorial 1

- A look at the IP Multimedia Sub-system (IMS) - What it is and where it is moving

Dr. Marie-Mélanie TROMPARENT TELEFONICA DEUTSCHLAND (GERMANY)
IMS, IP Multimedia Subsystem, is a standardized architecture - still under development - which aims at defining a framework for the provision of multimedia services over IP networks, independently from the access technology. It covers the implementation of services itself but also lots of operational aspects which are of prime importance for a network or service provider (e.g. charging, provisioning, network management, etc.). This tutorial primarily intends to provide the attendees with a solid background about IMS including positioning of IMS in the telecommunication landscape, standardization bodies involved, functional components, security framework and charging concepts.

09:00 a.m. Tutorial 2

- SOA for the Service Network

Martin COOKSON, Anders LUNDQVIST BEA (SWEDEN)
The SOA for the Service Networks tutorial is aimed to give the audience a technical knowledge on what SOA is, how the SOA technology fits in the telecom network environment and what modifications are needed to handle the network requirements. Telco's are converging on using SOA for service delivery in relation to the network as well as the traditional IT aspects of their systems estate. The tutorial will cover architecture, organization and governance, service enablement and other SOA initiatives relevant to the service network.

12:00 p.m. Lunch

02:00 p.m. Tutorial 3

- Web 2.0 in an IMS Environment

Dr Thomas MAGEDANZ, Niklas BLUM FRAUNHOFER INSTITUT FOKUS (GERMANY)
This tutorial provides an overview of the Internet evolution towards Web 2.0 and introduction of the 3GPP IP Multimedia (Sub)System (IMS) as service delivery platform for IP-based multimedia services on top of converging fixed and mobile networks (FMC). The different IMS application server options, namely CAMEL, OSA/Parlay and SIP Application Servers will be introduced and the general linkage of the IMS Core and the IMS application layer towards 3rd party applications in the Internet that make use of Web 2.0 principles.

02:00 p.m. Tutorial 4

- Foundations of the NGN Security with the Case Studies of IMS Security and Identity Management

Dr. Igor FAYNBERG and Dr. Hui-Lan LU ALCATEL LUCENT (UNITED STATES)
The major goal of this self-contained tutorial are to introduce the nuts and bolts of network security to a non-expert while providing the latest information on the major developments and gaps in the NGN security. The tutorial starts with an introduction to the components of security: cryptography, certificates, and the authentication protocols. After outlining the major IETF building blocks used in the IMS (AAA, IPsec, and TLS), we show how they are used in the IMS security along with 3GPP AKA. Finally, the tutorial addresses the topics of Identity Management and Service Federation with the real-life examples such as re-using the IMS identity management in support of IPTV and other non-IMS applications.

Previous Conference

ICIN 2007 will be the eleventh in a series of international events which was initiated in 1989. These events have been highly successful and typically attract 250-500 delegates from around the globe. Experts from all sectors of the ICT industry such as network operators, service and content providers, equipment and software vendors, systems integrators, universities, corporate and governmental organisations gather to share knowledge, experience, lessons learnt and good practice.

Tutorials

4 half day tutorials will be held on Monday 8 October 2007. The tutorial fee entitles participants to attend two tutorials of their choice.

Poster Presentations

Poster presentations will feature important developments in the field of ICT. Papers selected for posters are included in the proceedings.

Registration Fee

	Early bird Before 15 Sept. 2007	Full Fee
Delegate	From 870 to 1020€	From 1080 to 1230€
Academic	595€	760€
Student	295€	id
Tutorials - Delegate	410 €	id
Tutorials - Academic	190€	id

French VAT at 19,60% included

Poster Session (From Tuesday 9 to Thursday 11 October)

Chairman : David LUDLAM DISCOVERY CONSULTANCY (UNITED KINGDOM)

Defining a Service Delivery Platform Architecture using Generic IMS and SOA concepts
Rolan CHRISTIAN UNIVERSITY OF THE WITWATERSRAND (SOUTH AFRICA)

Optical Hub Network-proposal and implementation
Jun-ichi MIZUSAWA AOYAMA GAKUIN UNIV. (JAPAN)

Instant Messaging - Evolution to a Revolution
Stephen HALL NOKIA SIEMENS NETWORKS (SOUTH AFRICA)

3.5 G wireless ultrasound streaming in Robotic Tele-Ultrasonography System - Medical Quality of Service issues
Nada PHILIP, Robert ISTEPANIAN KINGSTON UNIVERSITY (UNITED KINGDOM)

Improving Performance of IMS Architecture with Intelligent Message Processing
Maurício CORTES ALCATEL-LUCENT (UNITED STATES)

The Home Networking in TISPAN
Bastien LAMER FRANCE TELECOM (FRANCE)

Multi-Access Modular-Services Framework
Simon DUTKOWSKI FRAUNHOFER FOKUS (GERMANY)

Using aggregated presence information in an enterprise environment
Urban SEDLAR UNIVERSITY OF LJUBLJANA (SLOVENIA)

Group Management to Achieve Communication Services of Federated Personal Portals
Ryoji NOTOMI WASEDA UNIVERSITY (JAPAN)

ETSI TS 186.008: a standard-based benchmark for IMS.
Jean-Luc DETREZ INTEL CORPORATION SA (BELGIUM)

Linux for advanced future mobile phones
Frode SIVERTSEN NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NORWAY)

Advance Programme ICIN 2007

Tuesday 9 October

09:30 a.m. Opening Session

Chairman : Ulrich REBER NOKIA SIEMENS NETWORKS (GERMANY)

10:00 a.m. Keynote Session

Co-chairmen : Ulrich REBER NOKIA SIEMENS NETWORKS (GERMANY)
Stuart SHARROCK TELEMATES (UNITED KINGDOM)
Philippe SALIN CTO, ORANGE POLAND, (POLAND)
Malcolm MATSON PRESIDENT, OPLAN FOUNDATION, (UNITED KINGDOM)
Mark FOSTER CTO, NEUSTAR, (UNITED STATES)
Fred BAKER CISCO SYSTEMS (UNITED STATES)

12:00 p.m. Lunch

02:00 p.m. Session 1A - Business Models and Trends I

Chairman : Hendrik BERNDT NTT DOCOMO (GERMANY)
• **There is a Broker in the Net ... its name is Google**
Roberto MINERVA TELECOM ITALIA LABS (ITALY)
• **Impact and Meaning of True Convergence**
Louis SAMUEL ALCATEL-LUCENT (UNITED KINGDOM)

• Roadmapping Digital Media & Mobile Convergence

Xiaofeng MA CETIM @ UNI BW MUNICH (GERMANY)

02:00 p.m. Session 1B - Security I

Chairman : Igor FAYNBERG ALCATEL-LUCENT (UNITED STATES)
• **ISPs: who else can you trust in the Internet?**
Roger KARRER DEUTSCHE TELEKOM LABORATORIES (GERMANY)
• **Bridging CardSpace and Liberty Alliance with SIM authentication**
Ivar JORSTAD UBISAFE (NORWAY)
• **Flexible and Strong Authentication for NGN Services**
Martin MEBMER T-SYSTEMS ENTERPRISE SERVICES (GERMANY)

04:00 p.m. Session 2A - SDP and SOA

Chairman : Anders LUNDQVIST BEA SYSTEMS (SWEDEN)
• **The «Akogrimo» way towards an extended IMS architecture**
Jose Ignacio MORENO DEUTSCHE TELEKOM (GERMANY)
• **Agile Service Assembly - SOA in Service Delivery Frameworks**
Bernd KAPONIG SUN MICROSYSTEMS (AUSTRIA)
• **KT's IN Service migration to NGN based on SOA**
Sungcheol PARK INFRA LABORATORY, KT (KOREA, REPUBLIC OF)

04:00 p.m. Session 2B - Management and Testing

Chairman : Yoshihiro NIITSU SHIBAURA INSTITUTE OF TECHNOLOGY (JAPAN)
• **Testing Customizable Software for Telecommunication Services**
Sergej ALEKSEEV NOKIA SIEMENS NETWORKS (GERMANY)
• **Experiences on the Establishment and Provisioning of NGN/IMS Testbeds**
- **The FOKUS Open IMS Playground and the related Open Source IMS Core**
Sebastian WAHLE FRAUNHOFER FOKUS (GERMANY)
• **Management of Web Services using Aspect Oriented Programming**
Malanzhithi MUTHU ANNA UNIVERSITY (INDIA)

05:30 p.m. Panel session - Boosting Service Usability through Innovation

Moderator : Stuart SHARROCK TELEMATES (UNITED KINGDOM)
Jun-Ichi MIZUSAWA AOYAMA GAKUIN UNIVERSITY, (JAPAN)
Juan Carlos LUENGO TELEFONICA MOVILES ESPAÑA, (SPAIN)
Michal DUNAJ DEUTSCHE TELEKOM LABORATORIES, (GERMANY)
Mads MOLLER GOOGLE, (UNITED KINGDOM)

Wednesday 10 October

08:30 a.m. Session 3A - Community Services and Web 2.0 - I

Chairman : Stefan UELLNER T-SYSTEMS ENTERPRISE SERVICES (GERMANY)
• **Collaborative R&D in Converged Communications**
Stephen WOLAK VODAFONE GROUP SERVICE (UNITED KINGDOM)
• **Service Discovery using Community Relationships in Mobile Ubiquitous Networks**
Yoshiko SUEDA NTT INFORMATION SHARING PLATFORM LABORATORIES, NTT (JAPAN)
• **Web 2.0 Service Controls and IMS Toolkit for Enabling Community-minded Service Functionality in Traditional Online Services**
Zuzana Krifka DOBES T-SYSTEMS ENTERPRISE SERVICES (GERMANY)

08:30 a.m. Session 3B - Service Composition

Chairman : A.C. McQUAIDE AT&T (UNITED STATES)
• **A study case on the convergence of Web Services and IMS Using Instant Communication Services**
David MANSUTTI HEWLETT-PACKARD (FRANCE)
• **Session Data Types: An Abstraction Layer for Shared-Experience Communications in Converged Applications**
Richard HULL BELL LABS RESEARCH, ALCATEL-LUCENT (UNITED STATES)
• **Monolithic Applications versus Enabler Functional Splitting: An Approach Illustrated by the Network Call Log Example**
Vincent GOURAUD ORANGE LABS (R&D) (FRANCE)
• **Multi-Access Multi-Services Framework - Supporting SMEs with an innovative Service Creation toolkit based on integrated SDP/IMS infrastructure**
Simon DUTKOWSKI FRAUNHOFER FOKUS (GERMANY)

10:00 a.m. Coffee Break and Networking Opportunities

10:30 a.m. Session 4A - Service Architecture I

Chairman : Kristofer KIMBLER, APPIUM (SWEDEN)
• **The Service Delivery Environment - A Standards-Driven Melting Pot**
Michael BRENNER ALCATEL-LUCENT (UNITED STATES)
• **Trigger Interaction Management - New Tricks for Old Networks**
Warren MONTGOMERY PERSONETA (UNITED STATES)

• Converged Services Environment

Jos den HARTOG ERICSSON TELECOMMUNICATIE B.V. (THE NETHERLANDS)

• Service Brokering: Opportunities and Challenges

Nicholas HUSLAK AT&T (UNITED STATES)

10:30 a.m. Session 4B - Security II

Chairman : Osamu MIZUNO NTT CORP (JAPAN)
• **Validation and Authorization Services from Service Providers in e-commerce**
Dominique SANDRAZ HEWLETT-PACKARD (UNITED STATES)
• **An IDM enabled AAA Service Architecture for Telecommunication Providers**
Ingo FRIESE T-SYSTEMS ENTERPRISE GmbH (GERMANY)
• **Trust Framework and Service Delivery in SPIE**
Seidl ROBERT NOKIA SIEMENS NETWORKS (GERMANY)

12:00 p.m. Lunch

02:00 p.m. Session 5A - P2P Technology

Chairman : Roberto MINERVA, TILAB (ITALY)
• **Interworking between P2PSIP Overlays and IMS Networks - Scenarios and Technical Solutions**
Enrico MAROCCO TELECOM ITALIA (ITALY)
• **An Internet coordinate system to enable collaboration between ISPs and P2P systems.**
Vinay AGGARWAL DEUTSCHE TELEKOM LABORATORIES (GERMANY)
• **Peer-to-Peer VoIP & MMoIP for Public Services - Requirements and Architecture**
Marco TOMSU ALCATEL-LUCENT (GERMANY)

02:00 p.m. Session 5B - Service Enablers

Chairman : Juan Carlos LUENGO TELEFONICA MOVILES ESPAÑA (SPAIN)
• **Location Information and Mashups with Mobile Web Server**
Risto MONONEN NOKIA (FINLAND)
• **OSA/Parlay-X Extended Call Control Telecom Web Services**
David VANNUCCI UNIVERSITY OF THE WITWATERSRAND (SOUTH AFRICA)

• Improve Ubiquitous Web Applications with Context Awareness

Claudio VENEZIA TELECOM ITALIA (ITALY)

03:30 p.m. Coffee Break and Networking Opportunities

04:00 p.m. Session 6A - Business Models and Trends II

Chairman : Horst THIEME SUN MICROSYSTEMS (GERMANY)
• **Modularization in Telco R&D as a response to an environment of technological uncertainty**
Heinrich ARNOLD DEUTSCHE TELEKOM LABORATORIES (GERMANY)
• **Analysis of IMS Business Requirements**
Thanh van DO TELENOR - NTNU (NORWAY)
• **Design of Next Generation Mobile Convergence Service Business Model**
Donsung OH ETRI (KOREA, REPUBLIC OF)
• **Entering the Pay Television Business in Latin America: a TELCO's strategy**
Gonzalo ARRISUEÑO LABARTHE TELEFONICA INTERNACIONAL (SPAIN)

04:00 p.m. Session 6B - Network Infrastructure

Chairman : Max MICHEL FRANCE TELECOM R&D (FRANCE)
• **A Flexible Solution Enabling IMS through Standard Wi-Fi Access Networks**
Thomas LEVY ALCATEL-LUCENT (FRANCE)
• **Providing End-to-End Network QoS via Overlay Networks and Bandwidth On-demand**
Mauricio ARANGO SUN MICROSYSTEMS INC. (UNITED STATES)
• **Policy based SIP Signaling Management in IMS**
Bao LI ALCATEL-LUCENT QINGDAO R&D CENTER (CHINA)
• **Migration towards IMS - CIS perspective**
Tomaz ALJAZ ISKRATEL LTD. (SLOVENIA)

08:30 p.m. Gala Dinner held in a Chateau

Thursday 11 October

08:30 a.m. Session 7A - Customer Profiles and Data Management

Chairman : Bernard VILAIN ALCATEL-LUCENT (FRANCE)
• **RDF User Profiles - Bringing Semantic Web Capabilities to Next Generation Networks and Services**
Venura MENDIS BT GROUP (UNITED KINGDOM)
• **FMC HSS - the Brain of IMS**
Rebecca COPELAND HUAWEI TECHNOLOGIES (UNITED KINGDOM)
• **Convergent Data Center in Future Network**
Zhenhua XIA HUAWEI TECHNOLOGIES (CHINA)
• **Enabling Services through Identity Mangement**
Guillermo CAJIGAS VODAFONE GROUP R&D (SPAIN)

08:30 a.m. Session 7B - Service Architecture II

Chairman : Ove FAERGEMAND TDC CABLE TV (DENMARK)
• **Where is the Intelligence - the Network vs. the Client**
Werner DITTMANN NOKIA SIEMENS NETWORKS (GERMANY)
• **Integral Approach - A look to the Future**
Nirmal GUPTA TEKELEC (INDIA)
• **Operate Value-added Services as a Network**
Yizhen YANG HUAWEI TECHNOLOGIES EUROPEAN R&D CENTER (GERMANY)

• FMC Service Provisioning based on IMS Using Privacy and Federation Concepts

Hans Joachim EINSIEDLER DEUTSCHE TELEKOM LABORATORIES (GERMANY)

10:00 a.m. Coffee Break and Networking Opportunities

10:30 a.m. Session 8A - Mobile TV/IPTV

Chairman : Kevin FOGARTY TCN UK (UNITED KINGDOM)
• **Delivering Quadruple Play with IPTV over IMS**
Mikhael SAID FRANCE TELECOM (FRANCE)
• **IMS and IPTV Service Blending - Lessons and Opportunities**
Andre BECK ALCATEL-LUCENT - BELL LABS RESEARCH (UNITED STATES)
• **Next-Generation TV - Personalized Content and Social Services**
Lukasz LUZAR COMARCH (POLAND)

10:30 a.m. Session 8B - Community Services and Web 2.0 II

Chairman : Dan FAHRMAN ERICSSON AB (SWEDEN)
• **Transforming the Customer Experience with User Centric Networking**
David GORTON TELCORDIA (UNITED STATES)
• **Conversa : Uniting Mobile Video with a Community-Based Web Service**
Alex VORBAU HP LABS (UNITED STATES)

• A Word-of-mouth Information Collecting System Based on the Combined Use of Blogs and Active RFID Tags

Kazumasa TAKAMI SOKA UNIVERSITY (JAPAN)

12:00 a.m. Lunch Buffet

02:00 p.m. Session 9 - IMS on the move

Chairman : Kevin WOOLLARD BT (UNITED KINGDOM)
• **Competing or Complementary : SIP and Web Technologies in migration to NGN. Lessons Learned.**
Walter ZIELINSKI ERICPOL (POLAND)
• **Emerging Web and Telecom Services: Prototyping FMC Services based on IMS and Web 2.0 fo a Mobile Operator**
Niklas BLUM FRAUNHOFER FOKUS (GERMANY)
• **Communication Services - The Key to IMS Service Growth**
Ulf OLSSON ERICSSON AB (SWEDEN)
• **SPICE : Evolving IMS to Next Generation Service Platforms**
Ermö KOVACS NEC EUROPE (GERMANY)

03:30 p.m. CLOSING SESSION

Chairman : Ulrich REBER NOKIA SIEMENS NETWORKS (GERMANY)



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