



Summary of Technical Sessions FITCE Congress 2008, London

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Session 1: “Transforming lives - Improving the quality of life”

- This session covered examples of the impact of technologies on our lives, notably:
 - ICT implants and the security and privacy issues arising from them leading to a proposed roadmap for safeguarding the individual’s data.
 - Providing telecom systems to remote schools in least developed countries.
 - The contribution of ICT to care services for the elderly, including quality, efficiency and cost-reduction and the opportunity to package offerings from different suppliers.
- These reinforced views that our technologies, properly applied, have a significantly favorable effect on people who probably do not even know what is involved.



Session 2: “Transforming Services – Are you being served on the move”

- This session addressed the services and customer experience for user on the move – using mobile and fixed networks
- Summary of the presentations:
 - Personal Services
 - Need for capability for linking the necessary information from several network platforms in order to provide targeted personal service to the user
 - Need for a horizontal link over the silos
 - The role of the Killer-User-Experience
 - This is focussed capability and information for the user
 - superbe quality and reliable coverage accross any form of access
 - Personalisation of adverts guided by the various forms of personalised data
 - E.g. location, presence, preferences



Session 2: “Transforming Services – Are you being served on the move”

- Mobile TV
 - Potential new service for the cellular networks
 - Currently low take rate in Europe, (although good growth in USA and Korea)
 - In question: is there a real need and business opportunity
- Example of Deployment
 - T-City project launched by Deutsche Telecom
 - Focus deployment of new generation telecommunication and ICT applications
 - » Example: digital picture frame
 - » Question: what services from which revenues can be earned will it deliver



Session 3: “Transforming Networks - Convergence: are we getting there?”

- This session covered convergence in networks.
- Main conclusions:
 - In the current economic environment the main drivers for convergence are financial incentives.
 - Possibility for cost optimization: reconfigurable mesh networks use the most efficient available network access - fixed or wireless
 - Develop new revenue streams: use and build on the capabilities of your network to create/access value-add revenue streams.
 - Approach new revenue streams: partner/merge/acquire companies who are already using new revenue streams - and discover your synergies.



Session 4: “Transforming Lives and Services -The challenges of living in a digital world”

- Many issues originally raised in keynotes were addressed to:
 - What do citizens really need?
 - The necessity of defining systems from outside-in to meet the need of citizens
 - The need to have a new approach to the development of ideas and innovation in the world of Web 2.0 and 3.0
 - How lives can be transformed by the availability of always-on broadband for everybody and the special need to take care of the elder population i.e. use of e-health etc.
 - The extreme importance of trust and security in handling information in the new world of trans-sectorial transactions



Session 4: “Transforming Lives and Services -The challenges of living in a digital world”

- Summary of the presentations
 - Detailed survey results on users’ needs and use of ICT in US & Europe
 - NGA technologies mapped to population densities leads to FTTH in cities and satellite access in rural areas
 - Open collaboration is very attractive in the Web 2.0 or 3.0 worlds, but one needs to carefully choose partners
 - Ebay is a primitive form of trusted one-to-one transactions - more sophisticated models needed for many-to-many transactions



Session 5: “Transforming Lives – Solutions for living in a digital world”

- This session covered the changes in society, required changes in the value chain, changes at home and evolution of the mobile device.
- Main Conclusions:
 - Transformation of lives and networks assumes change in business processes where there is a close cooperation of operator and service provider
 - The role of the service provider is critical in assuring the right service to be delivered to users
 - Transformation of users’ life can be achieved through progressive and scalable home infrastructure
 - To be ahead in the market, companies need to improve and renew their services offered to users
 - The killer application will be a set of services based on consumer context needs



Session 6: “Transforming Lives - How to connect to the future?”

- This session covered regulatory, cost and technical aspects of Next Generation Access networks.
- Main conclusions:
 - For Next Generation Access solutions there is no single fit-all solution and also there is (yet) no unique regulatory treatment for the deployment of Next Generation Access Networks.
 - An integrated approach to the Capex/Opex for NGA leads to good insights in the main contributing cost-factor such as trenching in Capex and



Session 7: "Transforming Networks - Technologies for Convergence"

- This session covered different technology developments enabling convergence
- Summary
 - SDE allows more flexibility for creating / realising a convergent network
 - It offers more ease for convergence as soon as more applications should be handled.
 - FUTON offers a promising framework for efficient integration for fixed and wireless networks
 - It allows provisioning of new broadband wireless services
 - Programme is supported by EU.



Session 7: “Transforming Networks - Technologies for Convergence

- Advanced elements for transforming networks
 - Awareness of design of new control mechanisms of network elements for future converged networks
 - This control is sequential.
- Convergent authentication and authorisation infrastructure
 - Approach for unified fixed and mobile authentication platforms (TISPAN & 3GPP).
 - It is a zero-provisioning system, and it offers nomadism as an advanced user service; but a smart-card reader is required.
 - Convergent QoS architecture and user location retrieval is not fully defined yet.



Session 7: “Transforming Networks - Technologies for Convergence

- Securing IMS
 - Security framework is needed for IMS in order to deploy a fully functional and profitable infrastructure.
 - Special concern is to be given to IMS security vulnerabilities; there is a possible solution with the use of Intrusion Detection System for detection and prevention of unauthorized access.



Session 8: “Transforming Services – Digital media in the driving seat

- Death of Divide and Conquer
 - Learn from the retail sector
 - Work with third parties and tailor your organization to flexibility to be able to respond to market needs
- In defence of monopolies in the production of audio visual contents
 - Monopolies to serve for quality assurance in production combined with strict regulation for ensuring multiple distribution channels



Session 8: “Transforming Services – Digital media in the driving seat”

- Media Space Navigator
 - Search for new, intuitive user interfaces that the customer makes its way through the variety of content available on an IPTV platform combining broadcast EPG and video on demand
- Broadcast TV is dead!
 - “Take away TV” – we are at the dawn of download TV
 - Issue of infinite bandwidth hunger of AV formats



Poster Session on Monday

- Hong Sun
 - Towards longer, better & more active lives / Building Mutual Assisted Living Community for Elder People
 - – Adapted, simplified „human“ services will be a need – and there is a market
- Wolfgang Messow
 - ICT Products & Services = Greenfield IT-development?
 - Massive Power Consumption will occur with all new ICT products – Corporate Social Responsibility Departments will have to find the „benefits for the society“ for new ICT-products & services!
- Bart Lannoo
 - Comparison of a Mobile WiMAX rollout at 700 MHz and 2500 MHz
 - Coverage is better with 700 MHz in rural areas, in Cities with 2500 MHz = cost efficiency!



Poster Session on Tuesday

- Carles Martin
 - Qualified ICT professionals today and tomorrow?
 - Lack of Qualified ICT professionals leads to consequent actions in social, scholarship, labour and university areas!
- Maximilian Schirmer
 - AJAX as a method to aggregate external applications and content in web portals
 - Content in Web portals can be efficiently reloaded and changed with different decentralized communication mechanisms

Overall conclusions

- Evolution or revolution of the human behaviour?
 - Thumb or finger
 - Homo netilism
- ICT applications can improve our lives
 - More focus is required
- The value chain:
 - focus on exploiting bit types or transform to a full-fledged service provider or change the value chain
- All available bandwidth will be used by „new internet based companies“
- But: no discussions in this congress on
 - Fixed mobile convergence
 - No disruptive (network) technology developments