

Plenary Session 3

The Future Internet will be Mobile

Wednesday 4th of July, 9:00 – 10:30

Content/Objective:

The advent of 3G technology has opened the way towards a convergence between the mobile communication world and the Internet world. Since then, intense manufacturer's creativity has brought to the market a myriad of technologies, all promising unique capabilities in terms of service capability, coverage or user experience. 3G HSPA, WiMAX, 3G LTE and B3G technology are some of the contenders that are or will be proposed to serve the promising on-line data market. If this market is currently taking up in Europe, it can however be observed that the usage rate of mobile data remains lower than in Asia.

Against this background, the purpose of this plenary, but interactive, session is to review the likely evolution landscape of those technologies supporting mobile Internet and to outline possible technological challenge and related deployment issues. The session will tentatively address the following aspects:

- a) Wireless technologies and their evolution perspective, what take-up, what technology for what usage scenario?
- b) Towards broadband mobile Internet, what technology migration scenario for what players?
- c) Multiplicity of access technologies, is there hope for "convergence"?
- d) Is there a need of interoperability across technologies? At what cost? Does the classical standardisation process still have a role to play with the advent of "software" convergence?
- e) IPR: what role will they play in the development of new converged mobile Internet technologies? Are there prospects for industrial consensus when moving towards 4G?
- f) International co-operation: how best EU should seek partnership with countries such as China, having their own domestic policy for wireless/mobile standards developments?
- g) Access to spectrum: should all technologies have equal access to spectrum, or should some form of spectrum-technology coupling be maintained across Europe?
- h) Moving towards all IP access: how does it affect the business models of operators? Does it open the door to new entrants?
- i) FMC: with fixed access moving in the Gb/s range, what is the technological impact on wireless access in the context of FMC and seamless service delivery?
- j) User generated content, long tail: how does it affect mobile traffic and mobile operators business models?
- k) Open vs walled garden mobile Internet service provision: which model is most promising?

- l) Regional take up: what makes mobile Internet more popular in Asia than in Europe? Is there a technological factor?

Format:

It is proposed to organise a 90 mn plenary session with 5 speakers. Each speaker will be given the opportunity of a 5-10 mn introductory statement. The floor will then be opened to interactive debates with the audience.

Proposed Panellists

a) Mr. Paul CHARETTE, also from TID

b) Dr. Soumyanath KRISHNAMURTHY, Director, Communications Circuits Research, INTEL corp.

c) Mr. Amit PATEL, Director, Corporate Strategy, NOKIA

d) Mrs. Joëlle GAUTHIER, Director R&D

e) Dr. Nicolas DEMASSIEUX, Director R&D, Motorola Paris;

*Session Chair: **Dr. Tom ROWBOTHAM**, former CTO of BT Labs Worldwide*