



Henrik Abramowicz

**Management and Service-aware
Architectures**

Panel 2





Panel 2 Future Internet Networking Architectures- Horizontal Topics

14.30-16.00; 16.15 -17.15 Panel (i.e. 10 min presentations from the panellists + 70 min Q&A)

Moderator: Henrik Abramowicz (Ericsson, Sweden)

Panellists:

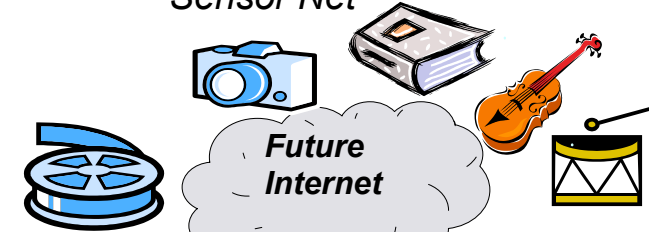
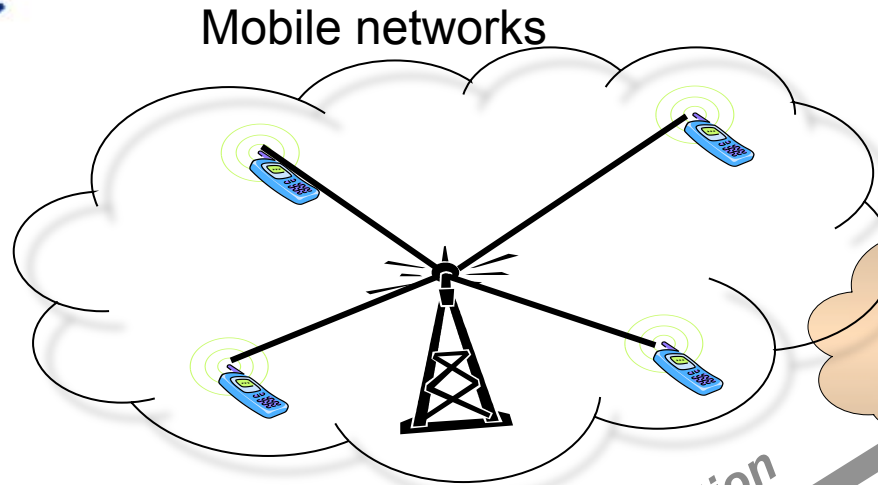
- Peter Kirstein (UCL, UK) - clean slate and evolutionary approaches
- Philip Eardley (BT, UK) - evolutionary approach / TRILOGY project viewpoint
- Arto Karila (HIIT, Finland) - clean slate approach/ PSIRP Publish-Subscribe Internet Routing viewpoint
- Norber Niebert (Ericsson, Germany) - clean slate approach / 4WARD project viewpoint
- Serge Fdida (Lip6, France) - FIREWORKS / Onelab Europe project viewpoint
- Emanuel Dotaro (Alcatel-Lucent, France) - evolutionary approach / Euro-NF project viewpoint
- Alex Galis (UCL, UK) - service-aware architectures - MANA / Autonomic Internet project viewpoint





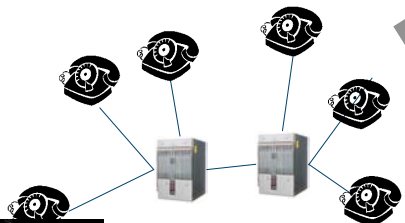
Network (R)Evolution

Future Internet
*Interconnecting Information
Sensor Net*

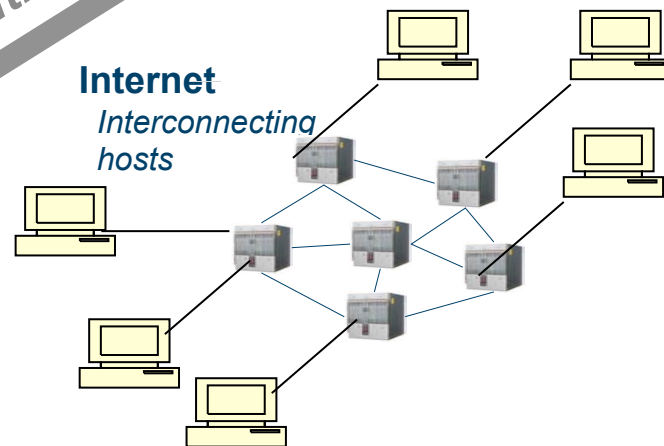


R(E)volution

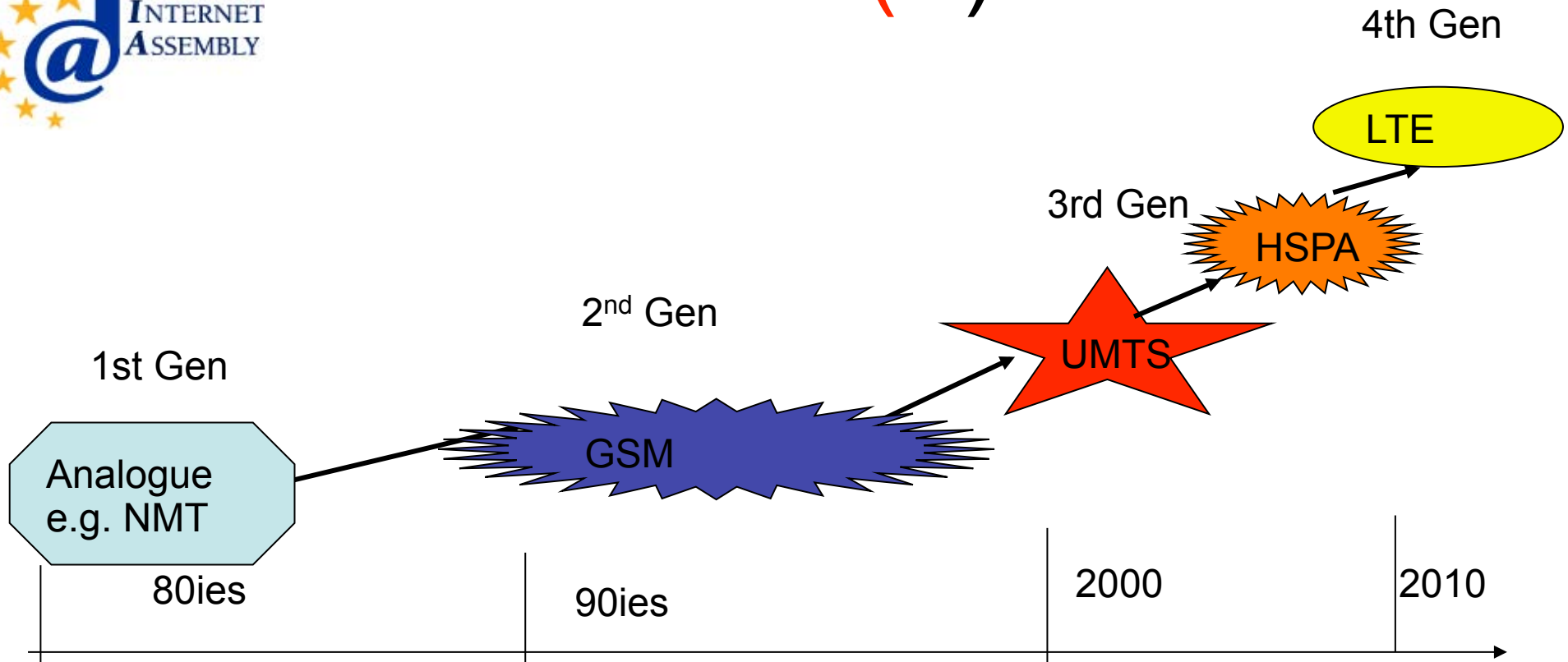
Telephony
Interconnecting wires



Internet
Interconnecting hosts



Mobile networks (r-) evolution





Issues to be discussed

- What are the main bottlenecks in the current Internet?
- What are the first 3-5 key challenges/problems to be fixed? What can we learn from the last 40 years of evolution Internet; what should be avoided
- Better & different support of services/applications
- Trust and privacy is crucial - how to provide trust models; how to design network elements/components which can be trusted?
- How to test new functions? How to deploy novel features?
Economic viable solution for changing networking systems?
- How to interwork Future Internet with Current Internet? Parallel Internets
- New Transport / New forwarding capability / programmability of the forwarding plane /programmability of the control plane
- More or less intelligence in the networks
- Information centric networks Vs connectivity networks
- Virtualization of Networks

How to design energy efficient Networking Systems

