



eltic-Plus⁺

Smart Connected World



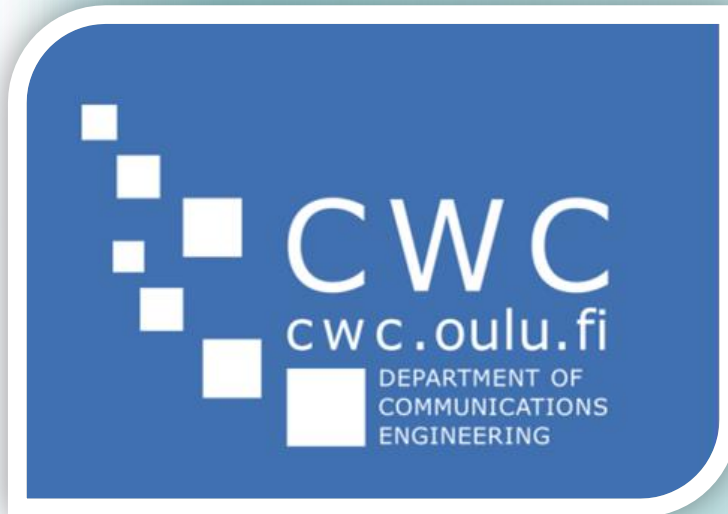
Proposers Day
7 May 2014, Oulu


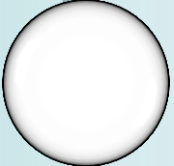
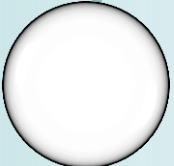

5G⁺

5G Positioning technology for future mobile services (5GPLUS)

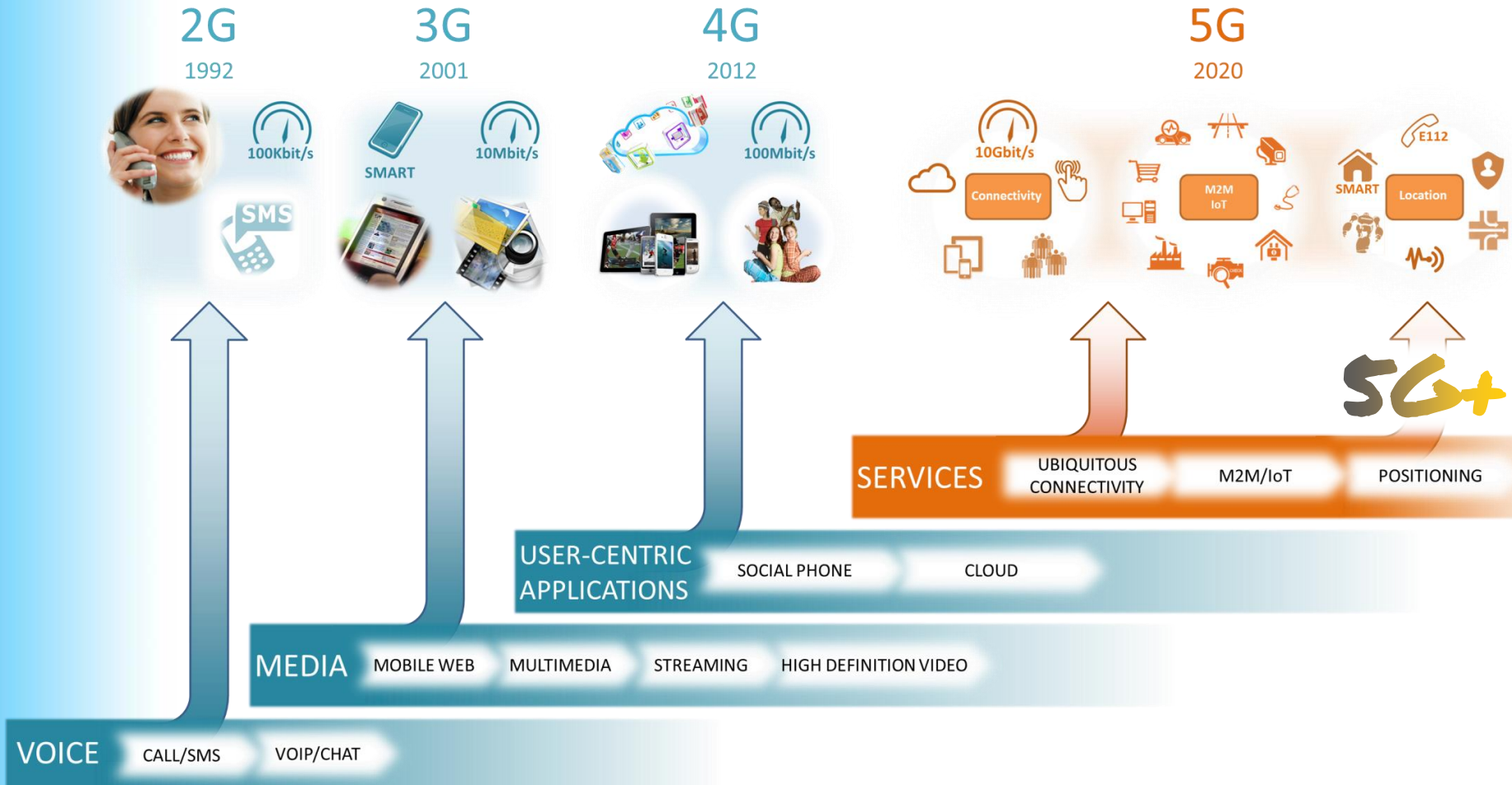
*University of Oulu – Centre for Wireless Communications
giuseppe.destino@ee.oulu.fi*





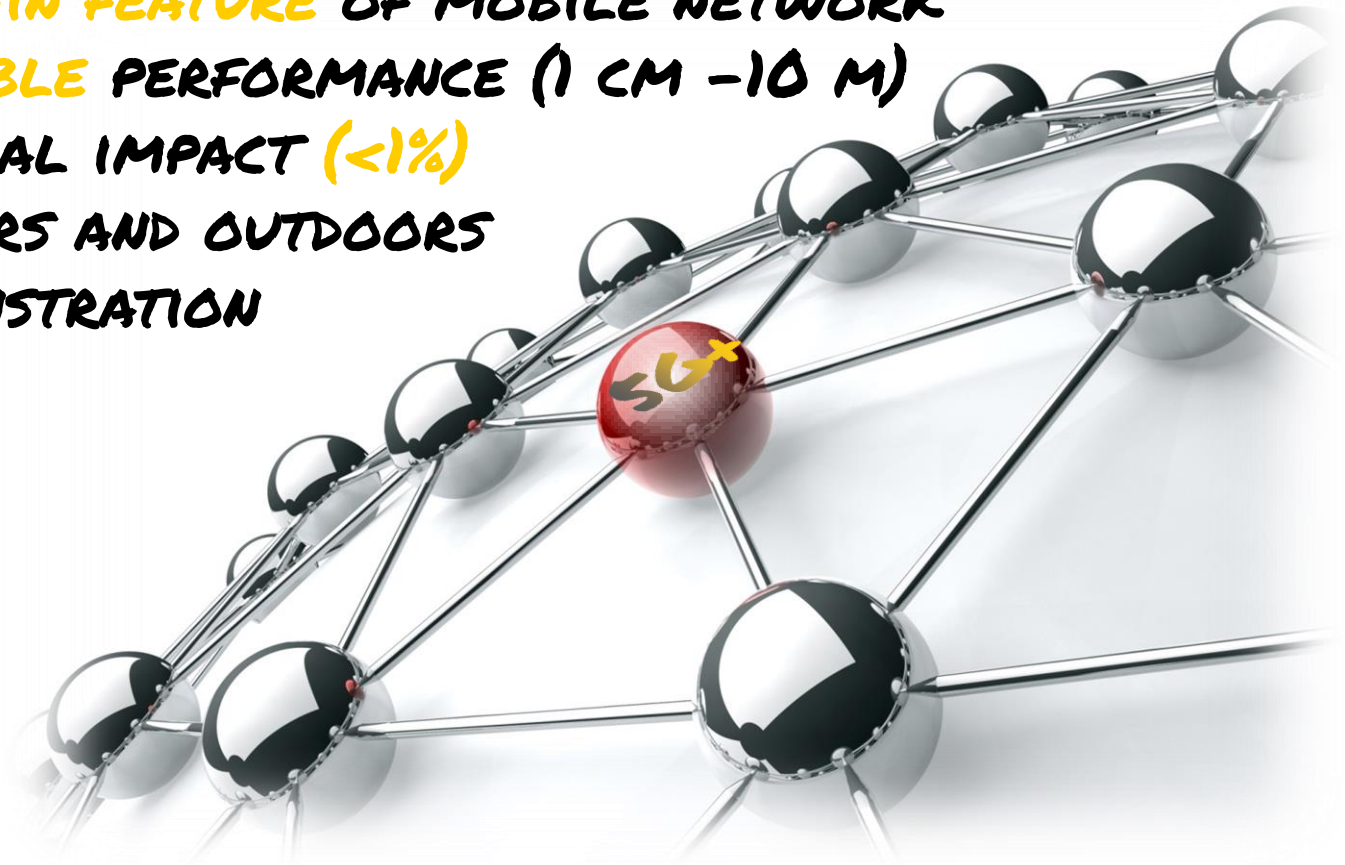
-  **5G Technology**
- From PHY to NET -
-  **RF Design**
- Antennas&Measurement -
-  **Medical ICT**
- Sensors networks -
-  **Applied Research**
- Lab and prototyping -

5G+ VISION



5G+ APPROACH

- **UNIQUE CO-DESIGN OF COMMUNICATIONS AND POSITIONING**
- **BUILT-IN FEATURE OF MOBILE NETWORK**
- **SCALABLE PERFORMANCE (1 CM -10 M)**
- **MINIMAL IMPACT (<1%)**
- **INDOORS AND OUTDOORS**
- **DEMONSTRATION**



5G+ TECHNOLOGY COSTS

Q.E

5G+ OUTCOME - IMPACT



- University of Oulu (FI)
- Tampere University of Technology (FI)
- Chalmers University (SWE)
- Telespazio (FR)
- AVEA (TU)

Looking for

- SME (LBS developers)
- SME (System integrators)
- Large company (Mobile network)
- Large company (Operators)

CONTACT INFO

For more information and for interest to participate please contact:



Dr. Giuseppe Destino
giuseppe.destino@ee.oulu.fi



Prof. Matti Latva-aho
matti.latva-aho@ee.oulu.fi