5G & IOT

Sarolta Dibuz

5G THE FUTURE

› 10-100* more mobile devices

› 10-100* end user data rates

› 5* lower latency

› 10* battery life

OVER TELECOM – THE NETWORKED SOCIETY

› Mobile broadband and media everywhere

› Smart buildings, cities

› Human machine interactions

› Smart metering,

› Logistics, fleet management

› Sensor networks

  − Agriculture

› Possibility for emergence of new technologies

REQUIREMENTS

› New radio interface

› Massive MIMO

› Network slicing

  − Dedicated NW for given industry segments optimized for their needs and requirements

CRITICAL SERVICES

› Autonomous vehicles

› Connected cars

› Remote manufacturing

› Remote surgery

› Critical infrastructure control

  – Energy and water utilities

› Health care

IOT

› Internet of Things

› Devices, vehicles, buildings etc.

› with electronic sensors, SW & NW connectivity

› Application domains:

  − Media

  − Energy management

  − Environment monitoring

  − Health care

  − Transportation

  − Home automation

  − Industrial management, manufacturing

  − Consumer applications etc.