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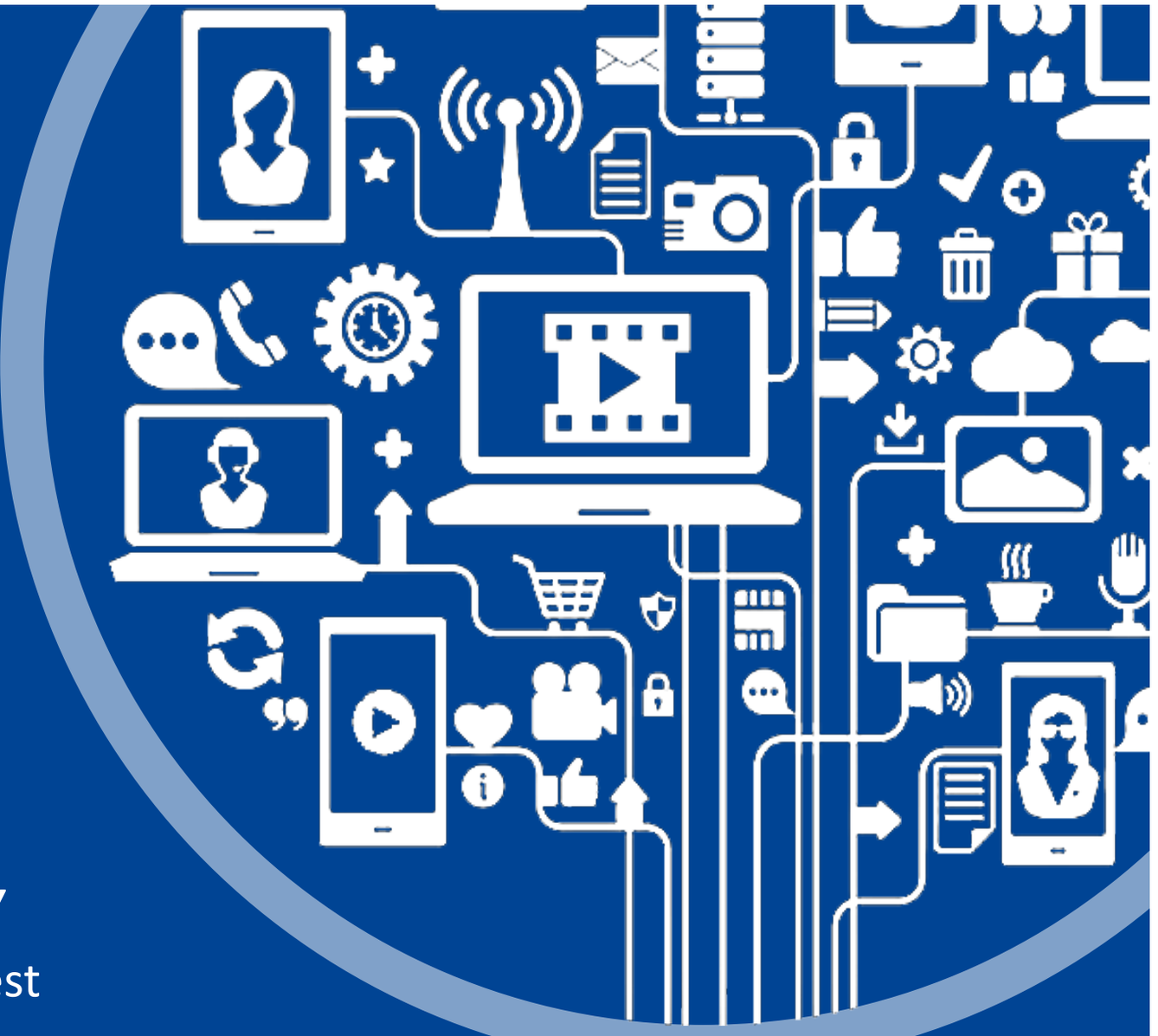
MASTER SCHOOL



DIGITAL MEDIA TECHNOLOGY

specialization at BME, Budapest

NETWORKED MEDIA SERVICES AND APPLICATIONS

Vilmos Simon, Associate Professor, Local program coordinator
Budapest University of Technology and Economics (BME)

Objectives and Learning outcome

- **Technologies** and **platforms** for providing media services
  - media communications over IP networks
  - content distribution
- Communication **services in smart cities**
  - technologies for autonomous vehicles
  - vehicular communication systems
- Students will be capable of:
  - designing
  - implementing
  - operating media communication services

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Courses

- **Mandatory Courses:**
  - Networked Multimedia Systems and Services
  - Communication Technologies for Autonomous Vehicles
  - Project in Media Communications Services

- **Electives:**
  - Broadband Telecommunications and Broadcasting Systems
  - Communication Acoustics
  - Sensor Networks and Applications
  - Internet Ecosystem and its Evolution
  - Cloud Networking

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Student projects

- Multi-View Video and Free Viewpoint Video streaming
- Media Communications in Smart Cities
- Vehicle media communications
- Vehicle swarms
- V2X communications optimization
- Crowdsensing for smart city transportation systems
- Sound quality analyses

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Industrial partners

- BME is located in the InfoPark
  - the first innovation and technology park of Central and Eastern Europe
  - EIT Co-location Centre in neighborhood
- Our partners
  - innovators for smart cities

commsignia

T-Systems

CISCO

AdasWorks

Nokia Networks

HOLOGRAFIKA

ERICSSON

USTREAM

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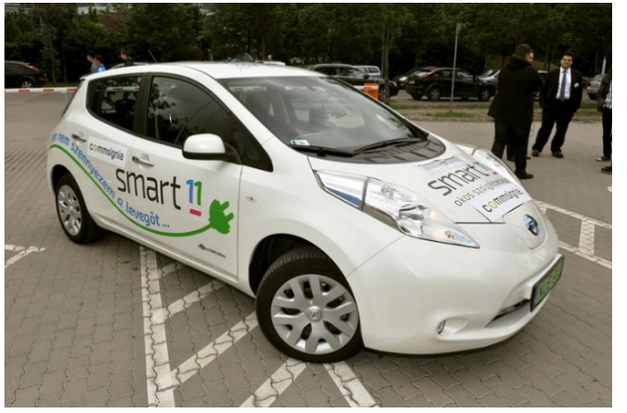
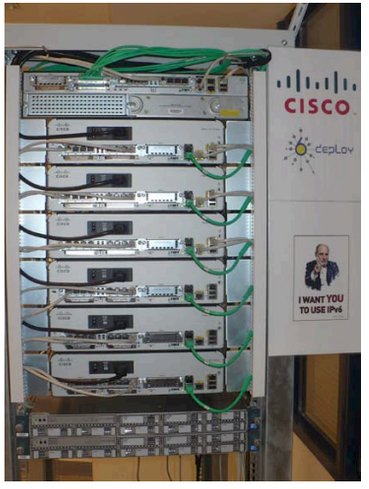
Labs and projects

- Commsignia – BME: V2X industry-education collaboration



- Cisco IPv6 training lab
6DEPLOY worldwide network



- Sound recording studio
Acoustics and Sound Technology Lab.

- High Speed Networks Laboratory
strategic cooperation with Ericsson Traffic Analysis and Network Performance Laboratory Ericsson

- Apple Mac Laboratory

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