

# Background: Tobias Hoßfeld

## ► Tobias Hoßfeld

- PhD in 2009, University of Würzburg
- professorial thesis (habilitation) in 2013: "Modeling and Analysis of Internet Applications & Services"
- Full Professor at University of Duisburg-Essen, 2014-2018, Chair of Modeling of Adaptive Systems
- Full Professor at University of Würzburg since 2018, **Chair of Communication Networks** (successor Prof. Tran-Gia)



## ► (Selected) Activities

- IEEE Communications Surveys & Tutorials, Springer "Quality and User Experience"
- Computer Networks "Softwarization and Caching in NGN", ACM TOMM „QoE Management for Multimedia Services"
- Conferences: International Teletraffic Congress (ITC), Quality of Multimedia Experience (QoMEX), NetSys 2019
- ITG/VDE FA 5.2 „Communication Networks and Systems"
- GI/ITG TC "Measurement, Modelling and Evaluation of Computing Systems (MMB)"
- **Performance Modeling and Analysis, Next Generation Internet, IoT & Industrial Apps, Quality of Experience, Internet applications, Overlays**

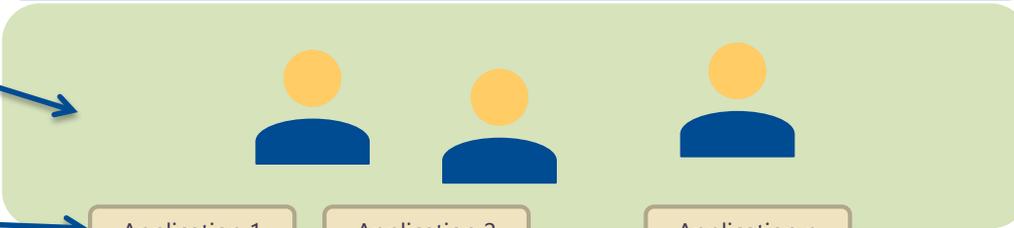
# Internet of Things, Services, People

## Emerging Concepts

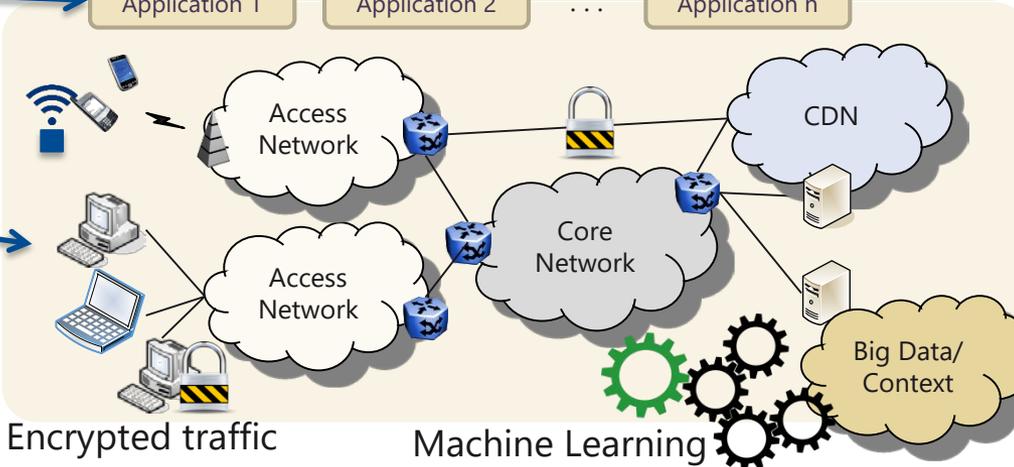
IoT, CPS, IoP,  
smart cities,  
crowdsourcing



QoE, ELA, Qol,  
QoE fairness



Immersive apps,  
data apps



5G, SDN, NFV,  
virtualization,  
context data



## Model

Interaction  
H2H, M2M ...

**Macro / Meso layer**

Quality of  
Experience and  
Information

**User, agents, things, data**

Quality of Service

**Traffic management  
& technology paradigms**

**Model-driven networking? Serverless network computing?  
Scalability and reliability evaluation?**