

Networked Multimedia Systems and Services, MSc (VIHIMA09)

Exam topics

2019.

1. Multimedia application classes and characteristics (QoS requirements). Protocols (RTSP, RTP/RTCP)
2. HTTP adaptive streaming
3. IP multicast. Multicast media delivery
4. Mobile multimedia. Error handling, concealment. Mobile TV technologies (MBMS, DVB-H)
5. Media buffering. Client-and proxy-assisted caching. Caching strategies
6. Cloud multimedia. Service layers. Cloud types. P2P streaming
7. CDN delivery scheme and service components
8. IPTV. Services. IPTV architecture. Protocols (MPEG-TS, multicasting). Channel switching process and its delay
9. Internet TV and OTT (Over the Top Content) service model
10. 3D modelling, View synthesis, Free Viewpoint Video (FVV).
11. Web media, WebRTC
12. C-ITS
13. DRM architecture. Watermarking.
14. Introduction of IMS. IMS architecture (CSCF, AS, HSS).
15. Business models of media services.

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9. Internet TV and OTT (Over the Top Content) service model
10. UHD TV, 3D Multiview and Free Viewpoint TV.
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