

LiveShift: Peer-to-Peer Live Streaming with Distributed Time-Shifting

- Current video streaming applications

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upport either live streaming or video-on-demand (VoD)

- Time-shifting allows

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- LiveShift combines all approaches

LiveShift: Peer-to-Peer Live Streaming with Distributed Time-Shifting

- ❑ A Kademlia DHT is used as index for channels and sources
- ❑ Live stream is transmitted in a multiple-tree layered approach
- ❑ Time-shifted stream is distributed in a mesh-pull fashion
- ❑ Video streams are transferred with RTP/UDP unicast
- ❑ Demonstrated as a set of notebook PCs transmitting and receiving video
- ❑ Real-time network information is displayed