



Making Networks Better, Faster, Stronger, Harder with Information Centric Networks

"Dario Rossi" (Telecom ParisTech, LTCI)
Axe DataSense

Abstract

Information Centric Networks (ICN) is a prominent paradigm among the Future Internet (FI) architecture proposals, that makes named content a first class citizen. After briefly introducing the potential of ICN for 5G networks, in this talk we focus on an important aspect of ICN, namely the caching function, that in ICN becomes an important primitive as opposed to being offered as an over-the-top patch as in the current Internet. We then (i) introduce the basic caching concepts, as well as (ii) overview our research activity in the area and finally (iii) cherry-pick a couple of recent representative examples, notably concerning video-streaming over ICN and a new highly scalable hybrid simulation technique of cache networks.