

Eymen Kurdoglu

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| CONTACT | 315 87th Street, Apt. 4A, Brooklyn, NY, 11209 Personal website, LinkedIn profile | +1(443)562-6487 eymen.kurdoglu@nyu.edu |
| EDUCATION | NYU Tandon School of Engineering / Ph.D., Electrical Engineering • Advisors: Prof. Yao Wang, Prof. Yong Liu January 2012 - Present École Polytechnique Fédérale de Lausanne / M.Sc., Communication Sciences • Advisors: Prof. Pascal Frossard, Dr. Nikolaos Thomos Middle East Technical University / B.Sc., Electrical and Electronics Engineering • Double major: B.Sc., Department of Physics | |
| WORK EXPERIENCE | NEC Labs America, Inc. / Internship, Optical Networking Group • Supervisor: Dr. Dayou Qian June 2013 - September 2013 • Worked on optical multicasting with software-defined networking | |
| SKILLS | C/C++, MATLAB, Python, tshark, FFmpeg, x264, Bash scripting, event-driven programming, distributed systems | |
| RESEARCH | Real-time bandwidth prediction and rate adaptation for video calls over cellular networks (supported by WeChat International - Tencent Inc.) • “ <i>Real-time Bandwidth Prediction and Rate Estimation for Video Calls over Cellular Networks</i> ”, E. Kurdoglu, Y. Liu, Y. Wang, Y. Shi, C. Gu, J. Lyu, ACM MMSys, 2016 High-level design of P2P multi-party video conferencing systems • “ <i>Dealing with User Heterogeneity in P2P Multi-party Video Conferencing: Layered Distribution Versus Partitioned Simulcast</i> ”, E. Kurdoglu, Y. Liu, Y. Wang, IEEE Transactions on Multimedia, vol. 18, no. 1, 2016 • “ <i>Dealing with User Heterogeneity in P2P Multiparty Video Conferencing: Layered Coding Versus Receiver Partitioning</i> ”, E. Kurdoglu, Y. Liu, Y. Wang, Communication and Networking Techniques for Contemporary Video Workshop at INFOCOM, 2014 Optimizing coding & scheduling decisions for layered video streaming in mesh P2P networks • “ <i>Adaptive Prioritized Random Linear Coding and Scheduling for Layered Data Delivery from Multiple Servers</i> ”, N. Thomos, E. Kurdoglu, P. Frossard, M. van der Schaar, IEEE Transactions on Multimedia, vol. 17, no. 6, 2015 • “ <i>Scalable Video Dissemination with Prioritized Network Coding</i> ”, E. Kurdoglu, N. Thomos, P. Frossard, Streaming and Media Communication Workshop at ICME, 2011 Incentivizing nodes to perform network coding in mesh P2P networks • “ <i>Network Coding Node Selection Game in Collaborative Streaming Systems</i> ”, N. Thomos, H. Park, E. Kurdoglu, P. Frossard, ICASSP, 2010 | |
| TEACHING | Head TA in “ <i>Internet Architecture and Protocols</i> ” course at NYU Tandon TA in “ <i>Communication Networks: Design and Algorithms</i> ” course at NYU Tandon TA in “ <i>Information Theory and Coding</i> ” course at EPFL | |
| AWARDS | “Full Excellence Scholarship” for M.Sc. studies by EPFL “Silver Project Award” in the Senior Design Course at METU EEE | |