Instructor: Alexander Gamero-Garrido; agamerog@ucdavis.edu; www.gamero-garrido.com

Expected work: research paper readings & oral presentations; final project; no final exam

Overview: this course covers applications of network measurement, big data analytics and systems analysis to a range of issues in telecommunications, cybersecurity, online privacy and technology policy. Topics include: (i) Internet measurement to evaluate network availability, reliability & performance, and related policy issues including network neutrality and digital equity; (ii) systems analysis to investigate the resilience of regional networks to surveillance, censorship, and Internet outages; (iii) technical audits of consumer technology to reveal user profiling, advertisement targeting, and personal data leakage.