Internet Measurement & Policy

ECS 289I | Winter 2024 | HART 1150 | MWF 3:10-4:00pm

Foreign disruption in Ukraine (2022)

The New York Times
How Russia Took Over Ukraine's Internet in Occupied Territories

LGBT repression in Egypt (2023)

HUMAN RIGHTS WATCH
February 21, 2023
"All This Terror Because of a Photo"
Digital Targeting and Its Offline Consequences for LGBT People in the Middle East and North Africa

Military coup in Myanmar (2021)

BBC
Myanmar coup: How the military disrupted the internet

Censorship in Ethiopia (2019)

US News
How Ethiopia Controls the Internet

HUFFPOST
NEWS   POLITICS   ENTERTAINMENT   LIFE   PERSONAL   VOICES   SHOPPING   VIDEO

Homework In A McDonald's Parking Lot: Inside One Mother's Fight To Help Her Kids Get An Education During Coronavirus

The Verge / Tech / Reviews / Science / Entertainment / More +

TECH / AMAZON / AMAZON ALEXA

Researchers find Amazon uses Alexa voice data to target you with ads

/ Amazon and third parties use data from smart speakers to sell you stuff, says report

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.