**Reading List for the Course**

**“Network Measurement and Analysis”**

The following is a list of papers related to the topic of the course. As a new practice of the course, students involved during the 2023 autumn semester need to give a technical presentation on course related papers, either individually or in group. The following list thus provides a pool of optional papers for students to read.

Papers are classified according to the research area. For each paper, the title and the publication venue are shown. Students may request papers from authors or download them from digital libraries / the Internet.

# Internet & Web

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| 会议 | 年份 | 论文 |
| SIGCOMM | 2023 | Taming the transient while reconfiguring BGP |
| SIGCOMM | 2023 | Lessons from the Evolution of the Batfish Configuration Analysis Tool |
| SIGCOMM | 2023 | DONS: Fast and Affordable Discrete Event Network Simulation with Automatic Paralleliation |
| SIGCOMM | 2023 | BitSense: Universal and Nearly Zero-Error Optimization for Sketch Counters with Compressive Sensing |
| SIGCOMM | 2023 | Computers Can Learn from the Heuristic Designs and Master Internet Congestion Control |
| SIGCOMM | 2023 | Destination Unreachable: Characterizing Internet Outages and Shutdowns |
| SIGCOMM | 2023 | OmniWindow: A General and Efficient Window Mechanism Framework for Network Telemetry |
| SIGCOMM | 2022 | Cebinae: scalable in-network fairness augmentation |
| SIGCOMM | 2022 | Flash: fast, consistent data plane verification for large-scale network settings |
| SIGCOMM | 2022 | Continuous in-network round-trip time monitoring |
| NSDI | 2023 | Understanding the impact of host networking elements on traffic bursts |
| NSDI | 2023 | Hamilton: A High-Performance Transaction Processor for Central Bank Digital Currencies |
| NSDI | 2023 | CausalSim: A Causal Framework for Unbiased Trace-Driven Simulation |
| NSDI | 2022 | Packet Order Matters! Improving Application Performance by Deliberately Delaying Packets |
| SIGCOMM | 2021 | Toward formally verifying congestion control behavior |
| SIGCOMM | 2021 | CliqueMap: productionizing an RMA-based distributed caching system |
| SIGCOMM | 2021 | Synthesizing Safe and Efficient Kernel Extensions for Packet Processing |
| SIGCOMM | 2021 | Programmable packet scheduling with a single queue |
| SIGCOMM | 2021 | Network planning with deep reinforcement learning |
| SIGCOMM | 2021 | Seven years in the life of Hypergiants' off-nets |
| IMC | 2022 | Saving Brian’s Privacy: the Perils of Privacy Exposure through Reverse DNS |
| IMC | 2022 | Investigating the impact of DDoS attacks on DNS Infrastructure |
| IMC | 2022 | Measurement and Analysis of Implied Identity in Ad Delivery Optimization |
| IMC | 2022 | The Importance of Contextualization of Crowdsourced Active Speed Test Measurements |
| IMC | 2022 | "Is my Internet down?": Sifting through User-Affecting Outages with Google Trends |
| IMC | 2022 | Measurement of Cloud-based Game Streaming System Response to Competing TCP Cubic or TCP BBR Flows |
| IMC | 2022 | Your Speaker or My Snooper? Measuring the Effectiveness of Web Audio-based Browser Fingerprints |
| IMC | 2022 | Model-Based Insights on the Performance, Fairness, and Stability of BBR |
| IMC | 2022 | No Keys to the Kingdom Required: A Comprehensive Investigation of Missing Authentication Vulnerabilities in the Wild |
| IMC | 2022 | Internet Scale Reverse Traceroute |
| IMC | 2021 | Revisiting TCP congestion control throughput models & fairness properties at scale |
| IMC | 2021 | Inferring regional access network topologies: methods and applications |
| IMC | 2021 | Understanding the performance of webassembly applications |
| IMC | 2021 | Measuring DNS-over-HTTPS performance around the world |
| IMC | 2021 | Measuring the performance and network utilization of popular video conferencing applications |
| IMC | 2021 | Who's got your mail?: characterizing mail service provider usage |
| SIGCOMM | 2020 | OmniMon: Re-architecting Network Telemetry with Resource Efficiency and Full Accuracy |
| SIGCOMM | 2020 | A Computational Approach to Packet Classification |
| Mobicom | 2020 | NEMO: Enabling Neural-enhanced Video Streaming on Commodity Mobile Devices |
| IMC | 2020 | Cloud Provider Connectivity in the Flat Internet |
| IMC | 2020 | Reduce, Reuse, Recycle: Repurposing existing measurements to identify stale traceroutes |
| IMC | 2020 | Towards A User-Level Understanding of IPv6 Behavior |
| IMC | 2020 | DDoS Hide & Seek: On the Effectiveness of a Booter Services Takedown |
| IMC | 2020 | Who is targeted by email-based phishing and malware?: Measuring factors that differentiate risk |
| NSDI | 2020 | Learning in situ: a randomized experiment in video streaming |
| NSDI | 2020 | FLAIR: Accelerating Reads with Consistency-Aware Network Routing |
| SIGCOMM | 2019 | Enabling a Permanent Revolution in Internet Architecture |
| Sensys | 2019 | DeepAPP: A Deep Reinforcement Learning Framework for Mobile Application Usage Prediction |
| Mobicom | 2019 | AMP up your mobile web experience: Characterizing the impact of Google’s Accelerated Mobile Project |
| Mobicom | 2019 | Optimizing Energy Efficiency of Browsers in Energy-Aware Scheduling–enabled Mobile Devices |
| Mobisys | 2018 | CrowdEstimator: Approximating Crowd Sizes with Multi-modal Data for Internet-of-Things Services |
| NSDI | 2018 | Vesper: Measuring Time-to-Interactivity for Web Pages |
| NSDI | 2018 | Prophecy: Accelerating Mobile Page Loads Using Final-state Write Logs |
| NSDI | 2018 | Copa: Practical Delay-Based Congestion Control for the Internet |
| SIGCOMM | 2020 | GRoot: Proactive Verification of DNS Configurations |
| IMC | 2020 | Opening the Blackbox of VirusTotal: Analyzing Online Phishing Scan Engines |
| IMC | 2020 | ShamFinder: An Automated Framework for Detecting IDN Homographs |
| NSDI | 2021 | Finding Invariants of Distributed Systems: It's a Small (Enough) World After All |
| IMC | 2019 | A First Look at the Crypto-Mining Malware Ecosystem: A Decade of Unrestricted Wealth |
| SIGCOMM | 2019 | A Large-Scale Analysis of Deployed Traffic Differentiation Practices |
| SIGCOMM | 2018 | Elastic Sketch: Adaptive and Fast Network-wide Measurements |
| SIGCOMM | 2018 | SketchLearn: Relieving User Burdens in Approximate Measurement with Automated Statistical Inference |

# Wireless

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| 会议 | 年份 | 论文 |
| SIGCOMM | 2023 | Enabling Ubiquitous WiFi Sensing with Beamforming Reports |
| NSDI | 2022 | Whisper: IoT in the TV White Space Spectrum |
| NSDI | 2022 | CurvingLoRa to Boost LoRa Network Throughput via Concurrent Transmission |
| Mobicom | 2022 | Experience: Practical Problems for Acoustic Sensing |
| Mobicom | 2022 | Non-Cooperative Wi-Fi Localization & its Privacy Implications |
| Mobicom | 2021 | RFClock: timing, phase and frequency synchronization for distributed wireless networks |
| Mobicom | 2021 | Millimetro: mmWave retro-reflective tags for accurate, long range localization |
| Mobicom | 2021 | A principled design for passive light communication |
| Mobicom | 2021 | RISE: robust wireless sensing using probabilistic and statistical assessments |
| Mobicom | 2021 | Microphone array backscatter: an application-driven design for lightweight spatial sound recording over the air |
| Mobicom | 2021 | UltraSE: single-channel speech enhancement using ultrasound |
| Mobicom | 2021 | SiWa: see into walls via deep UWB radar |
| Mobisys | 2022 | Sunflower: Locating Underwater Robots From the Air |
| Mobisys | 2022 | SPiDR: Ultra-low-power Acoustic Spatial Sensing for Micro-robot Navigation |
| Mobisys | 2021 | RayTrack: Enabling Interference-Free Outdoor Mobile VLC with Dynamic Field-of-View |
| Mobisys | 2021 | Owlet: Enabling Spatial Information in Ubiquitous Acoustic Devices |
| Mobisys | 2021 | Thermotag: Item-level Temperature Sensing with a Passive RFID Tag |
| NSDI | 2021 | Bootstrapping Battery-free Wireless Networks: Efficient Neighbor Discovery and Synchronization in the Face of Intermittency |
| NSDI | 2021 | One Protocol to Rule Them All: Wireless Network-on-Chip using Deep Reinforcement Learning |
| NSDI | 2021 | Adapting Wireless Mesh Network Configuration from Simulation to Reality via Deep Learning based Domain Adaptation |
| NSDI | 2021 | AIRCODE: Hidden Screen-Camera Communication on an Invisible and Inaudible Dual Channel |
| SIGCOMM | 2021 | LAVA: fine-grained 3D indoor wireless coverage for small IoT devices |
| SIGCOMM | 2021 | mmTag: a millimeter wave backscatter network |
| SIGCOMM | 2021 | Concurrent interference cancellation: decoding multi-packet collisions in LoRa |
| SIGCOMM | 2021 | Two beams are better than one: towards reliable and high throughput mmWave links |
| SIGCOMM | 2021 | RoS: passive smart surface for roadside-to-vehicle communication |
| Mobicom | 2020 | X-Array: Approximating Omnidirectional Millimeter-Wave Coverage Using an Array of Phased-Arrays |
| Mobicom | 2020 | SociTrack: Infrastructure-Free Interaction Tracking through Mobile Sensor Networks |
| Mobicom | 2020 | Voice Localization Using Nearby Wall Reflections |
| Mobicom | 2020 | ThermoWave: A New Paradigm of Wireless Passive Temperature Monitoring via mmWave Sensing |
| Mobicom | 2020 | Towards 3D Human Pose Construction Using WiFi |
| Mobicom | 2020 | Renovating Road Signs for Infrastructure-to-Vehicle Networking: A Visible Light Backscatter Communication and Networking Approach |
| Mobicom | 2020 | Sniffing Visible Light Communication Through Walls |
| Mobisys | 2020 | See Through Smoke: Robust Indoor Mapping with Low-cost mmWave Radar |
| Mobisys | 2020 | Soil Moisture Sensing with Commodity RFID Systems |
| NDSI | 2020 | APKeep: Realtime Verification for Real Networks |
| NSDI | 2020 | Frequency Configuration for Low-Power Wide-Area Networks in a Heartbeat |
| NSDI | 2020 | ABC: A Simple Explicit Congestion Controller for Wireless Networks |
| NSDI | 2020 | AmphiLight: Direct Air-Water Communication with Laser Light |
| NSDI | 2020 | Performant TCP for Low-Power Wireless Networks |
| NSDI | 2020 | Eingerprint: Robust Energy-related Fingerprinting for Passive RFID Tags |
| Sensys | 2020 | UWHear: Through-wall Extraction and Separation of Audio Vibrations Using Wireless Signals |
| Sensys | 2020 | Combating Interference for Long Range LoRa Sensing |
| Sensys | 2020 | One Flood to Route Them All: Ultra-fast Convergecast of Concurrent Flows over UWB |
| Sensys | 2020 | BatComm: Enabling Inaudible Acoustic Communication with High-throughput for Mobile Devices |
| Sensys | 2020 | Exploring Commodity RFID for Contactless Sub-millimeter Vibration Sensing |
| Sensys | 2020 | AcuTe: Acoustic Thermometer Empowered by a Single Smartphone |
| Sensys | 2020 | RTSense: RFID based Temperature Sensing |
| Sensys | 2020 | EarphoneTrack: involving earphones into the ecosystem of acoustic sensing |
| Mobicom | 2019 | Living IoT: A Flying Wireless Platform on Live Insects |
| Mobicom | 2019 | Towards Low Cost Soil Sensing Using Wi-Fi |
| Mobicom | 2019 | TunnelScatter: Low Power Communication for Sensor Tags using Tunnel Diodes |
| Mobicom | 2019 | MuSher: An Agile Multipath-TCP Scheduler for Dual-Band 802.11ad/ac Wireless LANs |
| Mobicom | 2019 | Rebooting Ultrasonic Positioning Systems for Ultrasound-incapable Smart Devices |
| Mobicom | 2019 | On the Feasibility of Wi-Fi Based Material Sensing |
| Mobicom | 2019 | mD-Track: Leveraging Multi-Dimensionality for Passive Indoor Wi-Fi Tracking |
| Mobicom | 2019 | SolarGest: Ubiquitous and Battery-free Gesture Recognition using Solar Cells |
| Mobisys | 2019 | CloseTalker: Secure, Short-Range Ad Hoc Wireless Communication |
| Sensys | 2019 | SkinnyPower: Enabling Battery-less Wearable Sensors via Intra-Body Power Transfer |
| SIGCOMM | 2019 | Underwater Backscatter Networking |
| SIGCOMM | 2019 | A Millimeter Wave Network for Billions of Things |
| SIGCOMM | 2019 | RF-based Inertial Measurement |
| IPSN | 2018 | On the Ability of Mobile Sensor Networks to Diffuse Information |
| IPSN | 2018 | Codecast: Supporting Data Driven In-Network Processing for Low-Power Wireless Sensor Networks |
| Mobicom | 2018 | Towards Scalable and Ubiquitous Millimeter-Wave Wireless Networks |
| Mobicom | 2018 | LiSteer: mmWave Beam Acquisition and Steering by Tracking Indicator LEDs on Wireless Aps |
| Mobicom | 2018 | Verification: Accuracy Evaluation of WiFi Fine Time Measurements on an Open Platform |
| Mobicom | 2018 | Cross-Frequency Communication: Near-Field Identification of UHF RFIDs with WiFi! |
| SIGCOMM | 2018 | Networking across Boundaries: Enabling Communication through the Water-Air Interface |
| SIGCOMM | 2018 | PLoRa: A Passive Long-Range Data Networks from Ambient LoRa Transmissions |
| SIGCOMM | 2018 | Networking across Boundaries: Enabling Communication through the Water-Air Interface |

# Mobile/Wearable/Ubiquitous

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| 会议 | 年份 | 论文 |
| SIGCOMM | 2023 | Underwater 3D positioning on smart devices |
| NSDI | 2022 | SwarmMap: Scaling Up Real-time Collaborative Visual SLAM at the Edge |
| IMC | 2022 | Causal Impact of Android Go on Mobile Web Performance |
| IMC | 2022 | Enabling Passive Measurement of Zoom Performance in Production Networks |
| IMC | 2021 | IoTLS: understanding TLS usage in consumer IoT devices |
| Mobicom | 2022 | RetroIoT: Retrofitting Internet of Things Deployments by Hiding Data in Battery Readings |
| Mobicom | 2022 | Network Side Digital Contact Tracing on a Large University Campus |
| Mobicom | 2022 | MobiDepth: Real-Time Depth Estimation Using On-Device Dual Cameras |
| Mobicom | 2021 | HeadFi: bringing intelligence to all headphones |
| Mobicom | 2021 | Vi-liquid: unknown liquid identification with your smartphone vibration |
| Mobicom | 2021 | VI-eye: semantic-based 3D point cloud registration for infrastructure-assisted autonomous driving |
| Mobisys | 2023 | DF-Sense: Multi-user Acoustic Sensing for Heartbeat Monitoring with Dualforming |
| Mobisys | 2023 | Wireless earbuds for low-cost hearing screening |
| Mobisys | 2023 | "Is this my president speaking?" Tamper-proofing Speech in Live Recordings |
| Mobisys | 2023 | EMSAssist: An End-to-End Mobile Voice Assistant at the Edge for Emergency Medical Services |
| Mobisys | 2023 | Boosting DNN Cold Inference on Edge Devices |
| Mobisys | 2022 | CoDL: Efficient CPU-GPU Co-execution for Deep Learning Inference on Mobile Devices |
| Mobisys | 2022 | ClearBuds: Wireless Binaural Earbuds for Learning-based Speech Enhancement |
| Mobisys | 2022 | HearMeOut: Detecting Voice Phishing Activities in Android |
| Mobisys | 2021 | zTT: Learning-based DVFS with Zero Thermal Throttling for Mobile Devices |
| Mobisys | 2021 | LensCap: Split-Process Framework for Fine-Grained Visual Privacy Control for Augmented Reality Apps |
| NSDI | 2021 | Alohamora: Reviving HTTP/2 Push and Preload by Adapting Policies On the Fly |
| NSDI | 2021 | Toward Nearly-Zero-Error Sketching via Compressive Sensing |
| IMC | 2020 | Reading In-Between the Lines: An Analysis of Dissenter |
| IMC | 2020 | Multiway Reliability Analysis of Mobile Broadband Networks |
| Mobicom | 2020 | Understanding Power Consumption of NB-IoT in the Wild: Tool and Large-scale Measurement |
| Mobicom | 2020 | Experience: Design, Development and Evaluation of a Wearable Device for mHealth Applications |
| Mobicom | 2020 | FaceRevelio: A Face Liveness Detection System for Smartphones with a Single Front Camera |
| Mobisys | 2020 | SonicPrint: A Generally Adoptable and Secure Fingerprint Biometrics in Smart Devices |
| Mobisys | 2020 | Edge-SLAM: Edge-Assisted Visual Simultaneous Localization and Mapping |
| Mobisys | 2020 | Approximate Query Service on Autonomous IoT Camera |
| Mobisys | 2020 | Painometry: Wearable and Objective Quantification System for Acute Postoperative Pain |
| NSDI | 2020 | Fawkes: Faster Mobile Page Loads via App-Inspired Static Templating |
| Sensys | 2020 | Starfish: Resilient Image Compression for AIoT Cameras |
| IMC | 2019 | Information Exposure From Consumer IoT Devices: A Multidimensional, Network-Informed Measurement Approach |
| Mobicom | 2019 | Mobile Gaming on Personal Computers with Direct Android Emulation |
| Mobicom | 2019 | HealthSense: Software-defined Mobile-based Clinical Trials |
| Mobisys | 2019 | Elix: Path-Selective Taint Analysis for Extracting Mobile App Links |
| Mobisys | 2019 | Apps Can Quickly Destroy Your Mobile’s Flash: Why They Don’t, and How to Keep It That Way |
| Mobisys | 2019 | Banner: An Image Sensor Reconfiguration Framework for Seamless Resolution-based Tradeoffs |
| Mobisys | 2019 | Heterogeneous Multi-Mobile Computing |
| Mobisys | 2019 | When IoT met Augmented Reality: Visualizing the Source of the Wireless Signal in AR View |
| Mobisys | 2019 | LpGL: Low-power Graphics Library for Mobile AR Headsets |
| Sensys | 2019 | SenseHAR: A Robust Virtual Activity Sensor for Smartphones and Wearables |
| Sensys | 2019 | Augmented Reality-based and Audiovisual Mimicry Attacks on Keystroke Authentication on Smartphones |
| Sensys | 2019 | My Being to Your Place, Your Being to My Place: Co-present Robotic Avatars Create Illusion of Living Together |
| Sensys | 2019 | Cutting the Cord: Designing a High-quality Untethered VR System with Low Latency Remote Rendering |
| Sensys | 2019 | RuntimeDroid: Restarting-Free Runtime Change Handling for Android Apps |
| Sensys | 2019 | Empath-D: VR-based Empathetic App Design for Accessibility |
| Sensys | 2019 | Sonoloc: Scalable positioning of commodity mobile devices |
| IPSN | 2018 | ODDS: Real-Time Object Detection using Depth Sensors on Embedded GPUs |
| Mobicom | 2018 | Flare: Practical Viewport-Adaptive 360-Degree Video Streaming for Mobile Devices |
| Mobicom | 2018 | DeepCache: Principled Cache for Mobile Deep Vision |
| Mobisys | 2018 | SeCloak: ARM TrustZone-based Mobile Peripheral Control |
| Mobisys | 2018 | TruZ-Droid: Integrating TrustZone with Mobile Operating System |
| Mobisys | 2018 | SeCloak: ARM TrustZone-based Mobile Peripheral Control |

# Cellular

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| 会议 | 年份 | 论文 |
| SIGCOMM | 2022 | L25GC: a low latency 5G core network based on high-performance NFV platforms |
| Mobicom | 2021 | Data-plane signaling in cellular IoT: attacks and defense |
| SIGCOMM | 2021 | A variegated look at 5G in the wild: performance, power, and QoE implications |
| SIGCOMM | 2021 | A nationwide study on cellular reliability: measurement, analysis, and enhancements |
| Mobicom | 2022 | Uncovering Insecure Designs of Cellular Emergency Services |
| Mobicom | 2022 | AdaptOver: Adaptive Overshadowing Attacks in Cellular Networks |
| Mobicom | 2020 | Ghost Calls from Operational 4G Call Systems: IMS Vulnerability, Call DoS Attack, and Countermeasure |
| Mobicom | 2020 | Experience: Towards Automated Customer Issue Resolution in Cellular Networks |
| Mobisys | 2023 | LeopardSeal: Detecting Call Interception via Audio Rogue Base Stations |
| Mobisys | 2020 | PERCEIVE: Deep Learning-based Cellular Uplink Prediction Using Real-time Scheduling Patterns |
| SIGCOMM | 2020 | Understanding Operational 5G: A First Measurement Study on Its Coverage, Performance and Energy Consumption |
| IMC | 2019 | Packet-level Overload Estimation in LTE Networks using Passive Measurements |
| Mobicom | 2019 | An Active-Passive Measurement Study of TCP Performance over LTE on High-speed Rails |
| SIGCOMM | 2018 | A Measurement Study on Multi-path TCP with Multiple Cellular Carriers on High-speed Rails |

# Cloud & Data Center Networks

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| 会议 | 年份 | 论文 |
| NSDI | 2023 | Understanding RDMA Microarchitecture Resources for Performance Isolation |
| NSDI | 2023 | Transparent GPU Sharing in Container Clouds for Deep Learning Workloads |
| NSDI | 2023 | Zeus: Understanding and Optimizing GPU Energy Consumption of DNN Training |
| NSDI | 2023 | Remote Procedure Call as a Managed System Service |
| NSDI | 2022 | Orca: Server-assisted Multicast for Datacenter Networks |
| NSDI | 2022 | Zeta: A Scalable and Robust East-West Communication Framework in Large-Scale Clouds |
| NSDI | 2022 | PowerTCP: Pushing the Performance Limits of Datacenter Networks |
| NSDI | 2022 | Data-Parallel Actors: A Programming Model for Scalable Query Serving Systems |
| NSDI | 2022 | CloudCluster: Unearthing the Functional Structure of a Cloud Service |
| NSDI | 2022 | Decentralized cloud wide-area network traffic engineering with BLASTSHIELD |
| SIGCOMM | 2022 | Time-division TCP for reconfigurable data center networks |
| SIGCOMM | 2022 | ABM: active buffer management in datacenters |
| IMC | 2021 | Examination of WAN traffic characteristics in a large-scale data center network |
| IMC | 2021 | From cloud to edge: a first look at public edge platforms |
| IMC | 2021 | Cloudy with a chance of short RTTs: analyzing cloud connectivity in the internet |
| Mobisys | 2021 | Encrypted Cloud Photo Storage Using Google Photo |
| NSDI | 2021 | Accessing Cloud with Disaggregated Software-Defined Router |
| NSDI | 2021 | Running BGP in Data Centers at Scale |
| NSDI | 2021 | Orion: Google's Software-Defined Networking Control Plane |
| NSDI | 2021 | Cost-effective Cloud Edge Traffic Engineering with Cascara |
| NSDI | 2021 | Mistify: Automating DNN Model Porting for On-Device Inference at the Edge |
| SIGCOMM | 2021 | 1Pipe: scalable total order communication in data center networks |
| SIGCOMM | 2021 | Designing data center networks using bottleneck structures |
| SIGCOMM | 2021 | RedPlane: enabling fault-tolerant stateful in-switch applications |
| IMC | 2020 | Clouding up the Internet: how centralized is DNS traffic becoming? |
| Mobicom | 2020 | OnRL: Improving Mobile Video Telephony via Online Reinforcement Learning |
| Mobisys | 2020 | A Cloud-Optimized Link Layer for Low-Power Wide-Area Networks |
| NSDI | 2020 | Re-architecting Congestion Management in Lossless Ethernet |
| NSDI | 2020 | Adapting TCP for Reconfigurable Datacenter Networks |
| NSDI | 2020 | Scalog: Seamless Reconfiguration and Total Order in a Scalable Shared Log |
| NSDI | 2020 | Firecracker: Lightweight Virtualization for Serverless Applications |
| SIGCOMM | 2020 | VTrace: Automatic Diagnostic System for Persistent Packet Loss in Cloud-Scale Overlay Network |
| IMC | 2019 | How Cloud Traffic Goes Hiding: A Study of Amazon's Peering Fabric |
| Mobisys | 2019 | oneM2M Standard-based IoT Platform Mobius and Smart City Data Hub |
| Mobisys | 2019 | From Rhinos to Asteroids: AI/ML on Large Scale Spatiotemporal Data |
| SIGCOMM | 2019 | SocksDirect: Datacenter Sockets can be Fast and Compatible |
| SIGCOMM | 2019 | Validating Datacenters at Scale |
| SIGCOMM | 2019 | Learning Scheduling Algorithms for Data Processing Clusters |
| SIGCOMM | 2019 | Zooming in on Wide-area Latencies to a Global Cloud Provider |
| SIGCOMM | 2019 | Elmo: Source Routed Multicast for Public Clouds |
| SIGCOMM | 2019 | Zooming in on Wide-area Latencies to a Global Cloud Provider |
| Mobicom | 2018 | Mitigating the Latency-Accuracy Trade-off in Mobile Data Analytics Systems |
| Mobicom | 2018 | ECHO: A reliable distributed cellular core network for hyper-scale public clouds |
| Mobicom | 2018 | Understanding Fileless Attacks on Linux-based IoT Devices with HoneyCloud |
| Mobisys | 2018 | CrowdEstimator: Approximating Crowd Sizes with Multi-modal Data |
| NSDI | 2018 | PowerMan: An Out-of-Band Management Network for Datacenters Using Power Line Communication |
| NSDI | 2018 | Andromeda: Performance, Isolation, and Velocity at Scale in Cloud Network Virtualization |
| NSDI | 2018 | Performance Analysis of Cloud Applications |
| NSDI | 2018 | Azure Accelerated Networking: SmartNICs in the Public Cloud |
| SIGCOMM | 2018 | Masking Failures from Application Performance in Data Center Networks with Shareable Backup |
| SIGCOMM | 2018 | AuTO: Scaling Deep Reinforcement Learning to Enable Datacenter-Scale Automatic Traffic Optimization |
| SIGCOMM | 2018 | Extracting 3D Maps from Crowdsourced GNSS Skyview Data |

# Social Network

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| --- | --- | --- |
| 会议 | 年份 | 论文 |
| IMC | 2022 | Are We Ready for Metaverse? A Measurement Study of Social Virtual Reality Platforms |
| IMC | 2021 | Locked-in during lock-down: undergraduate life on the internet in a pandemic |
| IMC | 2021 | Networked systems as witnesses: association between content demand, human mobility and an infection spread |
| IMC | 2021 | Polls, clickbait, and commemorative $2 bills: problematic political advertising on news and media websites around the 2020 U.S. elections |
| Mobisys | 2021 | Hivemind: Social Control-and-Use of IoT towards Democratization of Public Spaces |
| IMC | 2020 | The Lockdown Effect: Implications of the COVID-19 Pandemic on Internet Traffic |
| IMC | 2020 | A Characterization of the COVID-19 Pandemic Impact on a Mobile Network Operator Traffic |
| SIGCOMM | 2019 | Vantage: Optimizing video upload for time-shifted viewing of social live streams |
| IMC | 2016 | Network Growth and Link Prediction Through an Empirical Lens |
| NSDI | 2016 | Social Hash: An Assignment Framework for Optimizing Distributed Systems Operations on Social Networks |
| SIGMETRIC | 2016 | Social Clicks: What and Who Gets Read on Twitter? |
| SIGCOMM | 2015 | Inside the Social Network's (Datacenter) Network |