

Tal Lavian, Ph.D.

Expert Witness Services in Telecommunications, Internet Network Communications, and Mobile Wireless

Technology consulting: Network communications, telecommunications, and Internet protocols

Scientist, educator and technologist with 30 years of experience

- Expert services in over 60 patent cases. Testified in Federal, Jury, PTAB and ITC for Google, Facebook, Microsoft, Cisco, Juniper, Huawei, Nortel, Avaya, T-Mobile, Ericsson, LinkedIn, HP, LG, Amazon, Samsung, and Apple
- Inventor on over 120 patents, Co-author of over 25 scientific publications, and journal article

Education

- **Ph.D.**, Computer Science specializing in networking and communications, UC Berkeley
- **M.Sc.**, Electrical Engineering, Tel Aviv University
- **B.Sc.**, Computer Science, Tel Aviv University

Expertise

Network communications, telecommunications, Internet protocols, and mobile wireless:

- **Communication networks:** Internet protocols; TCP/IP suite, TCP, UDP, IP, Ethernet, 802.3, network protocols, network software applications, data link, network, and transport layers (L2, L3, L4), packet switching, data center network architecture
- **Mobile wireless:** Wi-Fi, 802.11 (a/b/g/n/ac), MAC, PHY, OFDM, DSSS, Wireless LAN (WLAN), CDMA, FDMA, TDMA, SMS, instant messaging (chat), mobile devices, smartphone
- **Internet/cloud:** Web applications, HTTP, e-mail, SMTP, POP, IMAP, Java, C/C++, file transfer FTP, client-server, cloud computing, distributed computing
- **Routing/switching:** LAN, WAN, VPN, routing protocols, RIP, BGP, MPLS, OSPF, multicast, DNS, QoS, network infrastructure, network communication architectures
- **Unified Communications:** PSTN, circuit switching, IP telephony, VoIP, SIP, RTP, SS7, carrier Ethernet, SONET, SDH, WDM, TDM, video/audio conferencing, streaming media

Litigation Support Services

- Served as an expert witness in over 60 patent-related cases
- Wrote expert witness declarations and testified in depositions, courts, arbitrations and in front of a jury
- Testified in Federal courts, in USPTO PTAB IPR, and in the ITC.
- Cases involved leading companies including: Google, Motorola, Microsoft, Cisco Systems, Juniper Networks, Amazon, Facebook, Samsung, T-Mobile, Ericsson, LinkedIn, HP, LG, and Apple

Research

- Member of UC Berkeley's RAD Lab—SAHARA and ICEBERG research projects
- DARPA Principal Investigator—DWDM-RAM and Active Networks projects
- Leader of a network communications research project for an undisclosed US federal agency
- Scientist at Nortel Research Labs—bridging between academic and industrial research

Professional Affiliations

- IEEE Senior Member, IEEE Communications Society, IEEE Computer Society, IEEE SMCS, ACM, SIGCOM, SIGWEB, IEEE-CNSV, and the Internet Society

<https://TelecommNet.com>

tlavian@TelecommNet.com

(408) 209-9112



2018