

Tal Lavian, Ph.D.

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

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, T-Mobile, Ericsson, LinkedIn, HP, LG, Samsung, and Apple
- Inventor on over 120 patents, Co-author of over 25 scientific publications, and journal articles
- Industry Fellow and Lecturer at UC Berkeley Engineering

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; network protocols; network software applications; data link, network, and transport layers (L2, L3, L4), data center network architecture
- **Internet software:** Internet software applications; distributed computing; cloud computing; Web applications; FTP; HTTP; Java; client-server; file transfer
- **Routing/switching:** LAN; WAN; VPN; routing protocols; RIP; BGP; MPLS; OSPF; IS-IS; multicast, DNS; QoS; switching; packet switching; network infrastructure; network communication architectures
- **Mobile wireless:** wireless LAN; 802.11; cellular systems; mobile devices; smartphone technologies
- **Unified Communications:** PSTN, circuit switching, IP telephony, VoIP, SIP, SS7, video and audio conferencing, streaming media, e-mail, instant messaging (chat)

Litigation Support Services

- Served as an expert in over 60 patent-related cases
- Wrote expert reports and testified in depositions, courts 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, Juniper, 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
- Technical Chair of Nortel's EDN Patent Committee

Professional Affiliations

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

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