

David Hilliard Williams

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Professional Summary

Mr. Williams has more than 30 years in the wireless/mobile location field, the last 16 as President of E911-LBS Consulting, which focuses on location-related cellphone forensics analysis and Intellectual Property consulting. He has served as an expert in over 90 criminal, civil, patent, anti-trust, and ITC cases, including depositions and testimony.

Mr. Williams is an expert in cellphone forensics investigation and analysis services involving GPS, E911, LBS, RFID, RTLS, Cell ID/ECID, GIS, Wi-Fi, TDOA, BLE, Beacons, UWB, NFC, AFLT and other location technologies and is fluent in numerous forensics tools involving Call Detail Records (CDRs), NELOS, PCMD, RTT, EVDO, and Cellebrite. He has over two decades of experience working with wireless carriers and mobile application providers (particularly in Location-Based Services and social media) resulting in an extremely detailed understanding of their inner technical design and implementation, and thus able to expertly—and exhaustively—analyze and opine on the (in)validity of mobile system forensic data. He is expert in location technology issues in the Internet of Things (IoT), driverless car, and consumer privacy fields.

Mr. Williams has authored five books on wireless location, including *The Definitive Guide To RFID, Wi-Fi, BLE, UWB, Ultrasound, Infrared, and Other RTLS and Beacon Technologies*, *The Definitive Guide to GPS, RFID, Wi-Fi, and Other Wireless Location-Based Services (two versions)*, *The Definitive Guide to Wireless E911*, and (co-authored) *The Definitive Guide to Mobile Positioning and Location Management*. He has been published and quoted by leading magazines and newspapers about location-related services, including The New York Times, CBS News.com, The Boston Globe, Computerworld, Directions Magazine, Mission Critical Communications, Popular Mechanics, and RFID Journal.

Mr. Williams clients include Apple, AT&T, Geico, General Electric, General Motors, Google, the Houston Police Department, the Los Angeles District Attorney's Office, Samsung, Sprint, Toyota, Verizon Wireless, and Vivint, as well as numerous individuals and small companies.

Professional Highlights

- Over 35 years' experience in high-tech, particularly mobile/wireless communications.
- Over 20 years' specialization in wireless/mobile location technology, with credentials dating to the early 1980s.
- 16 years' as President of E911-LBS Consulting, the leading independent mobile location technology consultancy focused on mobile location systems and applications (www.E911-LBS.com).
- Served as expert witness/consultant in over 90 criminal, civil, patent, anti-trust, and ITC cases.
- Expert in all forms of Location-Based Services, including mobile social networking and tracking.
- Expert in detailed wireless carrier location infrastructure technology, including location reporting systems such as CDRs, GPS pinging, NELOS, PCMD, and RTT, as well as mobile/wireless privacy, security, and other wireless ecosystem sub-systems.
- B.S. in Electrical Engineering from Purdue University; MBA/IT from The University of Texas.