Professor Zhi Ding

Ph.D. and Fellow of IEEE

Expertise

- Wireless Communication Systems
- Cellular Wireless (2G, 3G, 4G, 5G)
- Communication Network Protocols
- Multi-Antenna Technologies
- WLAN (WiFi, Bluetooth)
- xDSL Internet Services
- DOCSIS Modems
- Optical Networks

Professional Summary

- Professor of major US universities for over 30 years.
- Consulted for multiple major technology companies
- Worked as expert on multiple patent
- infringement cases.
- Conducted research works on Communications and Signal Processing for over 30 years.
- Supervised over 30 PhD students.
- Author of more than 200 journal papers and 2 books on communication technologies.

Dr. Zhi Ding has been a professor of electrical engineering at major US universities for 30 years. Since 1995, he has consulted for both engineering companies such as Nortel, Analog Devices, Intel, and worked as expert for major law firms from US, UK, China, and Canada including Kirkland & Ellis, WilmerHale, Quinn Emanuel, Fish & Richardson, Sheppard Mullin, Sidley Austin, Mayer Brown, Venable, and Finnegan, on multiple technical and patent infringement cases. He has been conducting research works on wireless communications and signal processing since 1984. He has supervised over 30 PhD students. He is an author of 200 journal papers and 2 technical books on communication technologies. He has taught classes that cover the fundamentals of signal detection, communications, and systems.

Dr. Ding currently holds the position of Distinguished Professor at the University of California, where he was appointed as the Child Family Professor of Engineering and Entrepreneurship in 2009-2014. He served as the steering committee chair of the IEEE Transactions on Wireless Communications. He was elevated to Fellow of IEEE in 2002 by the IEEE Signal Processing Society. He also served as the Technical Program Chair of the IEEE Globecom 2006 (the flagship conference of the IEEE Communications Society), Dr. Ding is an eminent scholar and expert of wireless technologies AND signal processing.



Intellectual Property Dispute Consulting:

Kirkland & Ellis LLP Wilmer Cutler Pickering Hale, and Dorr, LLP Fish and Richardson, LLP Says Scholer LLP Bridges and Mavrakakis, LLP Sterne, Kessler, Goldstein & Fox, LLC Gibson, Dunn & Crutcher, LLP 2014 Quinn Emanuel Norton Rose Fulbright US LLP Sheppard, Mullin, Richter, and Hampton, LLP Sheppard, Mullin, Richter, and Manbeck, P.C. Mayer Brown LLP Sidley Austin, LLP 2015 2017 2017 2018 2019 2019 2019 2011-2014 (multiple engagements including Apple) 2013 2019 2014 2014 2014 2014 2014 2014 Sheppard, Mullin, Richter, and Hampton, LLP Sheppard, Mullin, Richter, and Hampton, LLP Solity Austin, LLP 2015-17 Sidley Austin, LLP 2016 Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.	Past Client	Past Engagement
Wilmer Cutler Pickering Hale, and Dorr, LLP Fish and Richardson, LLP Fish and Richardson, LLP 2014-15, 2019-21 (multiple engagements including Samsung, Dish, Huawei, Queetel, LG, etc.) Kaye Scholer LLP 2008-2009 Bridges and Mavrakakis, LLP 2011-2014 (multiple engagements including Apple) Sterne, Kessler, Goldstein & Fox, LLC Bramson, Plutzik, Mahler & Birkhaeuser 2013 Gibson, Dunn & Crutcher, LLP 2014 Quinn Emanuel 2014 Norton Rose Fulbright US LLP Sheppard, Mullin, Richter, and Hampton, LLP Sheppard, Mullin, Richter, and Hampton, LLP Rothwell, Figg, Ernest, and Manbeck, P.C. Mayer Brown LLP 2015-17 Sidley Austin, LLP Irell & Manella, LLP 2016 Finnegan, Henderson, Farabow, Garrett & 2017		
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Dunner, L.L.P	1	2017
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Venable, LLP 2017-18	Vanable LLD	2017 19
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Pillsbury LLP 2017-19	Pillsbury LLP	2017-19
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Alston, Bird, LLP 2018	Alston, Bird, LLP	2018



Gibson, Dunn & Crutcher, LLP	2018-19
Jincheng Tongda & Neal (China)	2019-21
Desmaris, LLP	2019
Allen & Overy, LLP, UK	2019-20
Gowling WLG, Canada	2019
Erise IP	2019-20
Questel (China)	2020
Munger Tolles & Olson, LLP (Tesla)	2021
Saikrishna & Associates (India)	2021

Expert Testifying and Depositions (7 Trials and 10 Depositions)

Clients	Deposition/Testifying Experience
Bramson, Plutzik,	2013: Deposition on Case No. CV 12-05240 PJH
Mahler &	Nad Karim v. Hewlett Packard, Co.
Birkhaeuser LLP	UNITED STATES NORTHERN DISTRICT COURT OF
	CALIFORNIA. Settlement ordered Jan. 18, 2017.
Fish and Richardson	2015 (Feb): <i>Deposition</i> for Marvell.
(Representing	US PTAB Inter Partes Review IPR2014-00548
Marvell)	Marvell Semiconductor, Inc. v. Intellectual Ventures I LLC
	2015 (August): <i>Depositios</i> for Marvell.
	US PTAB Inter Partes Review IPR2014-00548
	Marvell Semiconductor, Inc. v. Intellectual Ventures I LLC
Norton, Rose,	2016 (April): <i>Deposition</i> for Qualcomm.
Fulbright, US, LLP	US PTAB Inter Partes Review IPR2015-10577, IPR2015-10580,
	IPR2015-10581, IPR2015-10581.
	Qualcomm Inc. v Bandspeed Inc.
Sheppard, Mullin,	2016 (May): Deposition for TCL in
Richter, and	TCL Communication Technology Holdings, LTD., et al. v.
Hampton, LLP	Ericsson, et al., Case No. 8:14-cv-341 (C. D. CA).
	2017 (Feb): Testified at C.D. California bench trial.



Sidley Austin, LLP	2016 (December): Testified at trial involving Huawei Technologies, Co. Ltd v. Samsung Regarding FRAND licensing disputes in Shenzhen Court, P.R. China.
	2018 (June): <i>Deposition</i> for N.D. CA on Huawei Technologies, Co. Ltd v. Samsung.
	2018 (December): Testified at trial involving Huawei Technologies, Co. Ltd v. Samsung regarding FRAND licensing disputes in Beijing Court of Intellectual Properties, P.R. China.
Mayer Brown LLP	2017 (January): Testified during tribunal proceeding for LG Electronics, Inc. in standard essential patent (SEP) licensing dispute of Nokia Technologies, Ltd. v. LG Electronics, Inc. During arbitration hearing in Paris, France.
Venable LLP	2017 (October): Deposition as expert witness for Verizon Services Corp. in Case No. 2:16-CV-588-WCB (E. D. TX) on US Patent disputes.
Pillsbury LLP	2018 (Feb): <i>Deposition</i> (Case No. 5:16-cv-00179-RWS)
	2018 (June): Testified at E. D. Texas (Texarkana) jury trial (Case No. 5:16-cv-00179-RWS).
Allen & Overy LLP UK	2019 (April) Testified at trial involving Huawei Technologies, Co. Ltd v. Conversant regarding FRAND licensing disputes in Nanjing Intermediate Court, P.R. China.
Sidley Austin LLP, US	2019 (Sept.) Testified at trial involving Huawei Technologies, Co. Ltd v. PanOptics, regarding FRAND licensing disputes in Shenzhen Intermediate Court, P.R. China.
Sheppard, Mullin, Richter, and Hampton, LLP	2019 (Dec. 3rd): Deposition for HTC and Apple in HTC Corporation, HTC America, Inc., and Apple Inc. v. INVT SPE LLC, Case Nos. IPR2018-01555 and IPR2018-01581.
Sterne, Kessler, Goldstein & Fox, LLC	2020 (Feb.): Deposition for Volkswagen Group of America, In. v. Carucel Investments, L.P. Case Nos. IPR2019-01573 and IPR2019-01101.
Jincheng Tongda & Neal, LLP	2021 (June) Testified at trial involving TCL. v. Ericsoon, regarding FRAND licensing disputes in Shenzhen Intermediate Court, P.R. China.
Orrick, Herrington, & Sutcliffe, LLP	2021 (October): <i>Deposition</i> for Canon, Inc, in Canon, v. WSOU Investments, LLC d/b/a/ Brazos Licensing, W.D. Texas, Case No. 6:20-cv-980.



Fish & Richardson, P.C.	2021 (November) <i>Deposition</i> for Quectel Wireless SOlutoins Co. Ltd in Quectel v. Koninklijke Philips N.V.
	2021 (December) <i>Deposition</i> for Quectel Wireless SOlutoins Co. Ltd in Quectel v. Koninklijke Philips N.V.

Recent IPR	
Declarations	
or Outcomes	
	IPR2014-00548 Expert Declaration to the Patent Trial and
	Appeal Board, with link to Final PTAB Decision.
	IPR2015-00314 Expert Declaration to the Patent Trial and
	Appeal Board with link to Final PTAB Decision
	IPR2015-00315 Expert Declaration and Supplemental Expert
	Declaration to the Patent Trial and Appeal Board with link
	to PTAB Trial Decision.
	to 1171D 111th Decision.
	IPR2015-00531 Expert Declaration to the Patent Trial and
	Appeal Board with link to PTAB Trial Decision.
	Appear Board with link to 1 TAB That Decision.
	IPR2015-01580 Expert Declaration to the Patent Trial and
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	Appeal Board with link to <u>PTAB Trial Decision</u> .
	IDD2015 01592 Expert Declaration to the Detect Trial and
	IPR2015-01582 Expert Declaration to the Patent Trial and
	Appeal Board and link to PTAB Decision on Institution of IPR
	and Grant of Motion for Joinder with ITR2015-00531.
	IDD2016 00620 Francis Declaration to the Detact Trial and
	IPR2016-00620 Expert Declaration to the Patent Trial and
	Appeal Board with link to PTAB decision to institute
	and link to Final PTAB decision finding all but 2 dependent
	<u>claims invalid</u> .
	TDD0016 00600 F
	IPR2016-00623 Expert Declaration to the Patent Trial and
	Appeal Board with link to <u>PTAB decision</u> .
	<u>IPR2018-01555</u> Expert Declaration to the Patent Trial and
	Appeal Board. Instituted (2019-03-07)
	<u>IPR2018-01581</u> Expert Declaration to the Patent Trial and
	Appeal Board. Instituted (2019-0401)
	<u>IPR2019-01573</u> Expert Declaration to the Patent Trial and
	Appeal Board. Instituted (2020-01-22)



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