Dr. Vijay K. Madisetti
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56 Creekside Park Drive
Johns Creek, GA 30022

Employment:

- 1989-present: Full Professor of Electrical & Computer Engineering (Georgia Tech, Atlanta, GA 30332).

Areas of Technical Interest –   Embedded Systems, Wireless & Mobile Communications, Computer Engineering, Circuit Design (Analog/Digital), Biomedical Instrumentation Hardware/Software, Software Engineering, Digital Signal Processing, Sensors, Wireline & Wireless Computer Networks, Software Systems, Control Systems, Chip Design, Cloud Computing.

Education: PhD (EECS, University of California at Berkeley, 1989), B.Tech (Hons) in Electronics and Electrical Communications Engineering (Indian Institute of Technology, Kharagpur, 1984).

Startup Companies:

Director, VP Technologies, Inc. (1995-): A startup commercialized through Georgia Tech's Advanced Technology Development Corporation (ATDC) focusing on digital software and hardware design services for military market. http://www.vptinc.net

Director, Soft Networks, LLC (2001-2007): A startup commercialized through Georgia Tech support focusing on software development tools and compilers for Cellular/WiFi/VOIP/telecommunication products. http://www.soft-networks.com

Director, Elastic Video Inc. (2007- 2009): A startup commercialized through Georgia Tech's VentureLab (http://venturelab.gatech.edu) development image and video processing software for wireless & IP networking.

Masimo Ex. 2005

Litigation Experience (2015-2021) With Testimony
(Note: There may be multiple cases between the parties, e.g., District Court v. ITC, US versus Foreign Cases)

Chrimar v. Adtran, Alcatel, et al.
Technology: Power over Ethernet (2015-2017)
Submitted reports & Deposition & Trial

Chamberlain v. Ryobi/TTI
Case No: 1:16-cv-06097 (ND Illinois)
Expert for Ryobi
Technology: Wireless/IoT/Barrier Movement (2016 – 2019)
Submitted reports & deposition & trial testimony

IOEngine v. IMC/Imation
Case No: cv-14-1572-GMS (US Delaware)
Expert for IMC/Imation
Technology: Networked Storage Device (2016-2017)
Submitted reports & deposition & trial testimony

Huawei v. Samsung
Case No: 3:16-cv-2787-WHO (ND Cal)
Expert for Samsung
Technology: 4G/LTE Random Access Protocols (2016-2019)
Submitted reports & deposition

Hitachi Maxell v. ZTE/Huawei
Case No: 5:16-cv-00178-RWS (ED Texas)
Expert for Hitachi Maxell
Technology: Digital Cameras
Submitted reports & deposition (2017 – 2018)

Hitachi Maxell v. Apple
Case No: 5:19-cv-00036-RWS
Expert for Hitachi Maxell
Technology: Digital Cameras
Submitted Expert Reports (2020-)

Qualcomm v. Apple
Case No: 17-ccv-0108-GPC-MDD (SD Cal) Also, Related ITC/FTC Matters
Expert for Qualcomm
Technology: 4G/Wireless Communications/Smartphones (2017-2019)
Submitted Reports and Deposition

Qualcomm v. Apple
Case No: 3:17-cv-01375-DMS-MDD (SD Cal)

Expert for Qualcomm
Technology: 4G/Wireless Communications/Smartphones (2017-2019)
Submitted Reports and Deposition

Optis v. Huawei
Case No: 2:17-cv-123 (E.D. Texas)
Expert for Optis Wireless
Technology: 4G/Video (2017-2019)
Submitted reports & deposition

Beckman Coulter v. Sysmex
Case No: 1:17-cv-24049-DPG (ND Illinois)
Expert for Sysmex
Technology: Medical Instrumentation Automation (2017-present)
Testifying Expert

TQ Delta v. Xyxel/Adtran
Expert for TQ Delta
Technology: DSL Technologies (2018-present)
Testifying Expert

3GL/KPN v. LG, Blackberry, HTC
Expert for 3GL/KPN
Technology: 4G/LTE Protocols (2018-present)
Reports and Deposition / Testifying Expert

Rovi v. Comcast
ITC No. 337-TA-1103 (ITC)
Expert for Rovi
Technology: Digital Video & interactive GUI (Jan 2018-May 2018)
Reports and Deposition

Cirba/Densify v. VMWare
Case No: 1:19-cv-00742-LPS
Expert for Cirba/Densify
Technology: Virtualization (2019-present)
Reports Deposition/PI Hearing / Testifying Expert

Power Integrations v. On Semiconductor
Case No: 17-cv-03189-BLF
Expert for On Semiconductor
Technology: Power Electronics (2018-2019)
Reports & Deposition/Testifying Expert.

Pathway v. Lumens, IPEVO, Aver JDA
Case No: ITC 337-TA-1045
Expert for Lumens JDA
Technology: Document Cameras (2016-2019)
Reports & Deposition (for IPR/ITC, no trial)

Wilan v. Apple
Case No: 3:14-cv-2235
Expert for WiLan
Technology: Voice over LTE/LTE Protocols (2017-2020)
Reports and Testified through Deposition/Trials

St. Lawrence Comm. v. Amazon
Case No. 2:19-CV-00027-JRG
Expert for Amazon
Technology: Multimedia Codecs
Submitted Expert Reports/Deposition (2020-2020)

PanOptis v. Apple
Case No. 2:19-CV-00066-JRG
Expert for PanOptis
Technology: LTE
Submitted Expert Reports/Deposition/Trial (2019-2020)

GAS v. Sprint Communications
Case No. 2:20-cv-00007-RWS
Expert for General Access (GAS)
Technology: LTE
Submitted Expert Reports/Deposition (9/21-)

Additional matters include declarations supporting IPRs at the PTAB for Google (US Patent 8,601,154), On Semiconductor (US Patent 6,212,079), Ubisoft (US Patent 5,490,216), Lumens JDA (2017-2019), Broadcom (WiFi), Sony (US Patent 6,101,534), Kia, (US Patent 5,530,431), Qualcomm, Ericsson, Daimler Benz, VW, Estech, Amazon, Ring, Digital Ally, On Semiconductor, United Patents, Lenovo, BMC Software, BMW, Daimler and Dolby.

Earned Degrees

1. B. Tech (Hons), Electronics & Electrical Comm. Engineering
   Indian Institute of Technology (IIT), Kharagpur, India
   1984.

2. Ph.D., Electrical Engineering & Computer Sciences (EECS)
   University of California (UC), Berkeley. CA
   1989.

Books

1. VLSI Digital Signal Processors
   Madisetti, V.K.;
   Boston: MA, IEEE Press: Butterworth Heinemann, 1995, 525 pp.

2. Quick-Turnaround ASIC Design in VHDL
   Romdhane, M., Madisetti, V.K., Hines, J.
   Boston: MA, Kluwer Academic Press, 1996, 190 pp.

3. The Digital Signal Processing Handbook (First Edition)
   Madisetti, V. K., Williams, D. (Editors)
   CRC Press, Boca Raton, Fla, 1998, 2500 pp.

4. VHDL: Electronics Systems Design Methodologies.
   Madisetti, V. K. (Editor)
   Boston: MA, IEEE Standards Press, 2000, ISBN 0-7381-1878-8.

5. Platform-Centric Approach to System-on-Chip (SoC) Design.
   Madisetti, V. K., Arpnikanondt, A.
   Springer, Boston: MA, Springer, 2004, 280 pp.

6. The Digital Signal Processing Handbook – Second Edition.
   Madisetti, V. K. (2009)
   CRC Press, Boca Raton, Fla.

7. Cloud Computing: A Hands-On Approach
   A Bahga, V. Madisetti (2013)
   Amazon CreateSpace Publishing, 2013, 454 pp.

8. Internet of Things: A Hands-On Approach
   A Bahga, V. Madisetti (2014)
   Amazon CreateSpace Publishing, 2014, 450 pp.

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