

# Curriculum Vitae of Dr. James L. Olivier

## **PROFESSIONAL SUMMARY**

The foundation for my career began over thirty years ago with a Doctorate in Electrical Engineering.

I am currently an Adjunct Professor in Network Engineering Program at SMU's Graduate School of Electrical and Computer Engineering. I am also the owner of Olivier Consulting, where I provide consulting services for advanced network / system design along with IP consulting. In 2022 I was appointed Research Professor at SMU's Hunt Institute for Engineering and Humanity specializing in Transformational Technologies. Recently I have recently received a Fulbright Specialist Award in the area of Computer Science.

I have three degrees from The Ohio State University: a Bachelor of Science degree in Electrical Engineering; a Master of Science degree in in Electrical Engineering and a Doctor of Philosophy degree in Electrical Engineering. I have published papers in the areas in fault tolerant computing and error detection in multiprocessor computer systems.

Over the last 20 years I have devoted my attention to industry consulting in the areas of intellectual property and networking technologies.

## **EDUCATION PROFILE**

Ph.D. Electrical Engineering, The Ohio State University, Columbus, Ohio, 1988 Dissertation: "*Concurrent Error Detection in Arithmetic Processors using GAN Codes*", Received separate minors in fields of Computer Science, Fault Tolerant Computing, and Discrete Mathematics.

Recipient of the prestigious Kodak Fellowship, awarded nationally to 12 doctoral students in the fields of science and engineering.

MS. Electrical Engineering, The Ohio State University, Columbus, Ohio, 1985 Thesis: "*A Navigation System for a Vehicle with a Laser Rangefinder*"; Major areas of study were robotics and artificial intelligence.

BS. Electrical Engineering, The Ohio State University, Columbus, Ohio, 1983 Cum Laude.

## **PUBLICATIONS**

## Curriculum Vitae of Dr. James L. Olivier

Olivier, J., Ozguner, F. "A navigation algorithm for an intelligent vehicle with a laser rangefinder", Proceedings of the 1986 IEEE International Conference on Robotics and Automation, Vol. 3, April 1986.

Olivier, J. L. and Ozguner, F. "Design of Concurrent Error Detecting Systolic Arrays Using GAN Codes" IEEE Transactions on Computer Aided Design, vol. 9, no. 10 October 1989.

Olivier, J.L. "Low Cost Residue Prediction for Improved Addition Efficiency", G. M. Research Publication, December 1989.

Olivier, J.L. and Tkacik, T.E., "RELY, a Markov Modeling Package for System Reliability Prediction" G.M. Research Publication, January 1990.

### **EXPERIENCE PROFILE**

**2022 – 2023 Research Professor at SMU's Hunt Institute for Engineering and Humanity Southern Methodist University**

- Program Lead of Hunt Institute's Transformational Technology Hub responsible for strategy formulation and project implementation.

**2019 – 2022 Program Lead and Adjunct Executive in Residence SMU's Hunt Institute for Engineering and Humanity Southern Methodist University**

- Program Lead of Hunt Institute's Transformational Technology Hub responsible for strategy formulation and project implementation.

**2018- 2024 Faculty Fellow at the SMU Hunt Institute for Engineering and Humanity at the SMU Lyle School of Engineering.**

**2017 – present Adjunct Professor for Network Engineering Program at Southern Methodist University's Lyle School of Electrical Engineering**

- Teaching Advanced Switching and Routing with MPLS at SMU's nationally rated Network Engineering program. Research interests include Fault Tolerant Algorithms, Video Transport, SD-WANs, Blockchain, IoT, and In-Networking Processing.

## Curriculum Vitae of Dr. James L. Olivier

2003 - present      **Olivier Consulting – Dallas Texas**  
**IP Consultant M<sup>c</sup>Alexander Sound**

- Technology Research and Intellectual Property Management, including, IP Protection, IP Validity, IP Portfolio Valuation, IP Strategy and IP Technical Consultation. Clients include Arista Networks, HTC Corporation, T-Mobile, Samsung, Vizio, Google Corporation, Level 3 Communications, AT&T, Amazon, Ericsson, and S.T Microelectronics.

Recognized Expert before United States Federal District Courts in the Areas of

- Congestion Control in Packet Switching  
*QPSX v Nortel 2:05-CV-268, 2007*
- Cellular High Speed Packet Access Networks  
*Wi-LAN Inc., v. Alcatel-Lucent et. al CV-6:10, 2013*
- Signaling Protocols in Cellular Networks  
*Core Wireless Licensing S.A.R.L v. Apple 6:12-CV-100, 2015*

Recognized Expert before the International Trade Commission in the Areas of

- Security and Firewalls in Routers and Switches;  
*Investigation 337-TA-628, 2007*
- Cellphone Hardware and Software for Imaging;  
*Investigation 337-TA-726, 2010*
- Operating Systems for Mobile Devices;  
*Investigation 337-TA-744, 2011*
- Mobile Devices Hardware and Software Architectures;  
*Investigation 337-TA-850, 2012*
- Ethernet Switch Packet Processor Hardware and Software;  
*Investigation 337-TA-945, 2015*

**Lead Technology Research and Intellectual Property investigations in the following areas**

## Curriculum Vitae of Dr. James L. Olivier

- Technology related to mobile camera system's software systems architecture. *HTC Corporation*
- Technology related to gateway protocols between Cellular /PSTN Networks and the Internet. Investigated the design of a Packet Gateway and associated soft switch. *Level 3 Communications*
- Technology related to content delivery server systems based on demographic information received from client systems. *AT&T*
- Technology investigation related to Metro Ethernet, MPLS, 802.17, and 802.3 access products. *Transpacific IP*
- Technology investigation related to the research, specification, design, and architecture of the Telstrat's Next Generation Switch, which provided video, including analog, digital, HDTV, along with IP based voice, and also provided internet service. *Telstrat*
- Technology investigation into the specification, design, and architecture of the Crane Wireless Sensor Network. Investigated scalability, address assignment, access, and security for a large IoT Wireless Sensor Network. *Crane Aerospace*

2002 - 2003  
**Manager**

**Navini Networks - Richardson, Texas Senior**

- Performed research and development in Navini's Wireless CDMA broadband System. Responsible for definition and implementation of layer 2 and layer 3 network protocols for Navini's Broadband Wireless Products. Developed servers for network security, network services, service provisioning and subscriber management for a CDMA network. Responsible for the design and development of a sign-on web site which managed and authorized users for different services in a broadband CDMA network. This system consisted of multiple Apache Web Servers providing the web pages to the users and a centralized key storage facility to manage the various keys needed to authorize the different services.

1999 – 2002

**Marconi Communications - Irving, Texas Manager  
of Systems Engineering**

## Curriculum Vitae of Dr. James L. Olivier

- Responsible for design and development of new products and product evolution for Marconi's North American Access Division. I developed systems for the access video market, such as Digital Subscriber Line (DSL) networks, Hybrid fiber-coaxial (HFC) networks and DOCSIS systems. These systems were triple play systems which provide voice, video and data. While at Marconi, I was also responsible for the web servers design for the Network Management System for the North American Access product division.

1996– 1999                    **Samsung Telecommunications America -  
Richardson, Texas Principal Engineer**

- Responsible for Service Control subsystem of Samsung's next generation wireless broadband UMTS switching system. Designed and developed a Java based platform for defining services for Samsung's next generation high-speed wireless switch. Areas of responsibility include traditional telephony services, wireless services, broadband services, and Internet services, such as an email portal. While at Samsung, I was also their corporate representative to the International Telecommunication Union, ("ITU"), which is the agency of the United Nations responsible for information and communication technologies. I was also Samsung's corporate representative to the 3GPP standards body. It was there that I participated in the development of standards for advanced wireless networks, including multimedia transport.

1995 – 1996                    **DSC Communications Switch Products Division –  
Plano, Texas**

**Senior Manager: Intelligent Network Evolution and  
Business Planning**

- Responsible for architecture and development of DSC's Intelligent Network product line. These products demonstrated at SuperComm 1996; a U.S. telecommunications trade show showed the integration of streaming media servers together with the interactivity of the Internet. I also actively interacted with key customers on their system designs and participated in relevant standards work.

**Senior Manager: ATM Systems Engineering Group**

- Lead the systems engineering group in defining a new high-speed ATM switches for enterprise and telecommunication networks. These efforts

## **Curriculum Vitae of Dr. James L. Olivier**

include, multiprocessor architectures, communications subsystems, and software architectures. In addition, I was responsible for responding to RFIs and RFPs for a number of clients server based multimedia systems and served as DSC corporate representative to the ATM Forum.

### **1990 – 1995           AT&T Bell Laboratories - Columbus, Ohio Member of Technical Staff**

- Designed and implemented a variety of fault tolerant multiprocessor systems for use in the computer/multimedia systems. These systems included Asynchronous Transfer Mode 'ATM' based Internet and video distribution system. I also participated in the design and development of client server based systems for database access. Developed fault detection and fault recovery algorithms for AT&T products.

### **1989 – 1990           General Motors Research Laboratories Warren Michigan**

#### **Senior Research Engineer: Computer Science Department**

- Conducted research into basic computer science problems associated with the future development of vehicular systems. These areas include the design of fault tolerant control systems, new cost affective microprocessor architectures and software for reliability and performance modeling. Lead the development of an automotive testbed for the evaluation of prototype systems.

### **1988 – 1989   Harris Communications – Melbourne, Florida Principal Engineer**

- Conducted research and development into innovative computer systems for use in space systems. Studied coherency protocols for microprocessor memory systems. Developed fault tolerant multi-processor computer systems for use in Strategic Defense Initiative.

## Curriculum Vitae of Dr. James L. Olivier

### **ISSUED PATENTS AND PATENT APPLICATIONS**

- US 8334775 RFID-based asset security and tracking system, apparatus and method Network based asset management system.
- US 20090174772 Security and surveillance system  
Network based surveillance and security system.
- US 20130201337 Rfid-based asset security and tracking system, apparatus and method  
Network based asset management system.

### **ADDITIONAL ACTIVITIES**

Member of the Social Enterprise Advisory Council at the Hunt Institute for Engineering & Humanity, a member of the United Nations Sustainable Development Solutions Network.

Fellow at SMU's Hunt Institute for Engineering and Humanity.

Chairman of IEEE Dallas Blockchain Group

## Cases Worked Past 5 Years

### Year Engaged

#### 2024

Expert Engagement: IPR  
Type of Matter: Provide Opinion  
Case Name: IPR2024-00590 and IPR2024-00593  
Engaged on behalf of: Identitii Limited  
Technology at Issue: Blockchain based Systems  
Services Provided: Consulting  
Law Firm: Bunsow De Mory  
Year Engaged: 2024

Expert Engagement: Litigation  
Type of Matter: Provide Opinion  
Case Name: Foras Technologies Limited vs Bayerische Motoren Werke AG and Robert Bosch GMBH Case No. 6:23-cv-00386  
Engaged on behalf of: Bayerische Motoren Werke AG (“BMW”) and Robert Bosch GMBH (“Bosch”)  
Technology at Issue: Fault Tolerant Computer Systems  
Services Provided: Consulting  
Law Firm: Finnegan, Henderson, Farabow, Garrett & Dunner  
Year Engaged: 2024

#### 2022

Expert Engagement: Licensing  
Type of Matter: Consulting  
Case Name:  
Engaged on behalf of: Ericsson  
Technology at Issue: Power Control in Cellular Networks



## Curriculum Vitae of Dr. James L. Olivier

Services Provided: Consulting  
Law Firm: BakerBotts  
Year Engaged: 2022

Expert Engagement: Litigation  
Type of Matter: Provide Opinion  
Case Name: Telecom Network Solutions, LLC v. T-Mobile USA, Case No. 2:21-cv-00418-JRG  
Engaged on behalf of: T-Mobile and Sprint Spectrum  
Technology at Issue: QoS in Cellular Networks  
Services Provided: Consulting  
Law Firm: K&L Gates LLP  
Year Engaged: 2022

Expert Engagement: IPR  
Type of Matter: Inter partes review  
Case Name: PTAB IPR on U.S. Patent No. 7,623,033 and 8,766,797  
Engaged on behalf of: Qualcomm  
Technology at Issue: Sensor networks  
Services Provided: Wrote Declarations  
Law Firm: Norton Rose  
Year Engaged: 2022

Expert Engagement: Litigation  
Type of Matter: Inter partes review  
Case Name: PTAB IPR on U.S. Patent No. 10,325,159  
Engaged on behalf of: Vivint  
Technology at Issue: Electronic Monitoring  
Services Provided: Wrote Declarations  
Law Firm: Foley and Lardner  
Year Engaged: 2022

Expert Engagement: Patent Review

## Curriculum Vitae of Dr. James L. Olivier

Type of Matter: Inter partes review  
Case Name: PTAB IPR on  
U.S. Patents No. 9,965,233, 9,389,822  
Engaged on behalf of: Roku, Inc.  
Technology at Issue: Protected or Encrypted Content delivery over Internet  
Services Provided: Wrote Declarations  
Law Firm: Perkins Coie  
Year Engaged: 2022

Expert Engagement: Litigation  
Type of Matter: Expert Consulting  
Case Name: Corrigent Corporation v. Cisco Systems, Dell and Arista  
Networks 6:22-cv-00396-ADA-DTG, 1:22-cv-00496-RGA,  
22-497-RGA  
Engaged on behalf of: Corrigent Corporation.  
Technology at Issue: 3GPP Network Elements  
Services Provided: Wrote Declarations  
Law Firm: Steptoe & Johnson  
Year Engaged: 2022

## **2021**

Expert Engagement: Litigation  
Type of Matter: Inter partes review  
Case Name: PTAB IPRs on  
U.S. Patent No. 7,979,070, 8,879,503  
Engaged on behalf of: Thales AIS DIS  
Technology at Issue: Signaling Messages in 3GPP networks  
Services Provided: Wrote Declaration  
Law Firm: AddyHart LLP  
Year Engaged: 2021

Expert Engagement: Litigation

## Curriculum Vitae of Dr. James L. Olivier

Type of Matter: Inter partes review  
Case Name: PTAB IPR on  
U.S. Patent No. 10,346,114  
Engaged on behalf of: Roku, Inc.  
Technology at Issue: Content delivery over wireless networks  
Services Provided: Wrote Declarations  
Law Firm: Perkins Coie  
Year Engaged: 2021

Expert Engagement: Litigation  
Type of Matter: Inter partes review  
Case Name: PTAB IPR on  
U.S. Patent No. 7,580,388  
Engaged on behalf of: Thales AIS DIS  
Technology at Issue: Signaling Messages in 3GPP networks  
Services Provided: Wrote Declarations  
Law Firm: AddyHart LLP  
Year Engaged: 2021

Expert Engagement: PTAB  
Type of Matter: Inter partes review  
Case Name: PTAB IPR on  
U.S. Patent No. 9,54,426, 10,924,500, and 9,372,098  
Engaged on behalf of: Ericsson Inc.  
Technology at Issue: Signaling Messages in 3GPP networks  
Services Provided: Wrote Declaration, Deposition Testimony  
Law Firm: Baker Botts  
Year Engaged: 2021

Expert Engagement: PTAB  
Type of Matter: Inter partes review  
Case Name: PTAB IPRs or PGR on  
U.S. Patent No. 10,601,948, 11,190,622, 11,206,317,  
11,272,034, 11,349,953, 11616826, 10,965,770  
Engaged on behalf of: Metacluster  
Technology at Issue: Computer networks

## Curriculum Vitae of Dr. James L. Olivier

Services Provided: Wrote Declarations, attended depositions  
Law Firm: Norton Rose  
Year Engaged: 2021

### **2020**

Expert Engagement: Litigation  
Type of Matter: Patent  
Case Name: Intellectual Ventures I LLC and Intellectual Ventures II LLC  
v. VMware, Inc., Western District of Texas Case No. 6:19-  
cv-449  
Engaged on behalf of: VMware  
Technology at Issue: Layer 3 Networking  
Services Provided: Wrote Declaration  
Law Firm: Winston & Strawn  
Year Engaged: 2020

Expert Engagement: Litigation  
Type of Matter: Patent  
Case Name: Exafer Ltd. v. Microsoft Corporation, Case No: 20-CV-  
00131 ADA  
Engaged on behalf of: Microsoft  
Technology at Issue: Layer 2 forwarding in Data Center  
Services Provided: Wrote Declarations, attended depositions  
Law Firm: Winston & Strawn  
Year Engaged: 2020

Expert Engagement: Litigation  
Type of Matter: Copyright  
Case Name: Apple Inc. v Corellium, LLC  
CASE NO. 9:19-cv-81160-rs Southern District of Florida  
Engaged on behalf of: Corellium LLC  
Technology at Issue: Software and image copyrights  
Services Provided: Wrote Declaration, attended deposition

## Curriculum Vitae of Dr. James L. Olivier

Law Firm: Hecht Partners LLP  
Year Engaged: 2020

Expert Engagement: Litigation  
Type of Matter: Inter partes review  
Case Name: PTAB IPR on  
U.S. Patent No. 7,894,443  
Engaged on behalf of: Thales AIS DIS  
Technology at Issue: Radio Link Control  
Services Provided: Wrote Declaration  
Law Firm: AddyHart LLP  
Year Engaged: 2020

Expert Engagement: Litigation  
Type of Matter: Inter partes review  
Case Name: Sisvel International S.A. and 3G Licensing S.A. v.  
Cradlepoint, Inc., Case No. 1:19- CV-1142-MN (District of  
Delaware)  
Engaged on behalf of: Cradlepoint and Sierra Wireless  
Technology at Issue: Radio Link Control  
Services Provided: Wrote Declaration  
Law Firm: Perkins Coie  
Year Engaged: 2020

Expert Engagement: PTAB Case No. IPR2021-00260  
Type of Matter: Inter partes review  
Case Name: PTAB IPR on U.S. Patent No. 9, 723,813 to Davis  
Engaged on behalf of: Tomofun  
Technology at Issue: Animal Interaction System  
Services Provided: Wrote Declaration  
Law Firm: Greenberg Traurig, LLP  
Year Engaged: 2020

## **2019**

Expert Engagement: Litigation

## Curriculum Vitae of Dr. James L. Olivier

Type of Matter: Patent Investigation  
Case Name: SIMO Holdings v Hong Kong uCloudlink Networks Technology Limited and uCloudlink (America) LTD.  
CASE NO. 1:18-cv-05427 Southern District NY  
Engaged on behalf of: uCloudlink Ltd  
Technology at Issue: Wireless data links  
Services Provided: Wrote Declarations  
Law Firm: Fish & Richardson

Year Engaged: 2019

Expert Engagement: Litigation  
Type of Matter: Patent Investigation  
Case Name: Harris Corporation v. Huawei Device USA, Inc., et al.  
Case No. 2:18-cv-439 ED-TX  
Engaged on behalf of: Huawei Device USA  
Technology at Issue: Network Security  
Services Provided: Wrote Declaration, Gave Deposition testimony  
Law Firm: Ropes & Gray LLP  
Year Engaged: 2019

Expert Engagement: Consulting  
Type of Matter: Consulting  
Case Name:  
Engaged on behalf of: Photobucket  
Technology at Issue: Photo distribution in wireless networks  
Services Provided: Analysis of content distribution in wireless networks  
Law Firm: Norton Rose  
Year Engaged: 2019

Expert Engagement: Consulting  
Type of Matter: Opinion regarding U.S. Pat. Application 2014/0192800,  
Case Name:  
Engaged on behalf of: SonicTube Research  
Technology at Issue: Packetized wireless networks  
Services Provided: Declaration

## Curriculum Vitae of Dr. James L. Olivier

Law Firm: SonicTube Research  
Year Engaged: 2019

### **2018**

Expert Engagement: Inter Partes Review  
Type of Matter: Patent Review  
Case Number: IPR2017-00829, -00830, -01131, -01133  
Engaged on behalf of: Vidstream LLC  
Technology at Issue: Networked Video  
Services Provided: Wrote Declaration, attended deposition  
Law Firm: Norton Rose  
Year Engaged: 2018

Expert Engagement: Litigation  
Type of Matter: Patent Investigation  
Case Name: Arista Networks, Inc. v. Cisco Systems, Inc. No. 5:16-CV-00923-BLF (N.D. Cal.)  
Engaged on behalf of: Arista Networks  
Technology at Issue: Network protocols  
Services Provided: Signed Declaration  
Law Firm: Tensegrity Law Group  
Year Engaged: 2018

Expert Engagement: Litigation  
Type of Matter: Patent Investigation  
Case Name: Intellectual Ventures I LLC v. HCC Insurance Holdings Inc. CA No. 6:15-cv-00660 ED-TX  
Engaged on behalf of: HCC Insurance Holdings  
Technology at Issue: Back end web site technology  
Services Provided: Wrote expert report, attended deposition  
Law Firm: Norton Rose Fulbright  
Disposition: Settled  
Year Engaged: 2018

## Curriculum Vitae of Dr. James L. Olivier

### **2017**

Expert Engagement: Inter Partes Review  
Type of Matter: Patent Review  
Case Number: IPR2018-00287  
Engaged on behalf of: Comtech Mobile Datacom Corporation  
Technology at Issue: Vehicle Mapping Technology  
Services Provided: Wrote Declaration  
Law Firm: Perkins Coie LLP  
Year Engaged: 2017

Expert Engagement: ITC Matter  
Type of Matter: Patent Investigation  
Case Name: ITC Inv.No.337-TA-1057 Certain Robotic Vacuum Cleaning  
Devices and Components Thereof  
Such as Spare Parts,  
Engaged on behalf of: Shenzhen Silver Star Intelligent Technology  
Technology at Issue: Autonomous Vehicle Technology  
Services Provided: Wrote expert report, gave deposition and hearing testimony  
Law Firm: Pillsbury Winthrop Shaw Pittman  
Year Engaged: 2017

### **2016**

Expert Engagement: Litigation and Inter Partes Review  
Type of Matter: Patent Investigation  
Case Name: International Business Machines Corp. v. The Priceline  
Group Inc., et al C.A. No. 15-137-LPS, and IPR2016-00608  
and IPR2016-00609.  
Engaged on behalf of: The Priceline Group Inc.  
Technology at Issue: Web site Technology  
Services Provided: Wrote Expert Reports on Invalidity and Non-infringement.  
Attended Deposition.  
Law Firm: Norton Rose Fulbright



## Curriculum Vitae of Dr. James L. Olivier

Year Engaged: 2016

Expert Engagement: Litigation  
Type of Matter: Patent Investigation  
Case Name: Evolv, LLC v. Joyetech USA, Inc.  
Case No. 8:16-cv-00459-CJC-JCG CD-CA  
Engaged on behalf of: Joytech USA  
Technology at Issue: Computer controlled voltage source  
Services Provided: Wrote Declaration  
Law Firm: Pillsbury Winthrop Shaw Pittman LLP  
Disposition: Settled  
Year Engaged: 2016

Expert Engagement: Inter Partes Review  
Type of Matter: Patent Review  
Case Number: IPR2016-01431  
Engaged on behalf of: HCC Insurance Holdings  
Technology at Issue: Web site design; Network Agent Technology  
Services Provided: Wrote Declarations for IPR  
Law Firm: Norton Rose Fulbright  
Disposition: Settled  
Year Engaged: 2016