

Exhibit O

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SUMMARY

Dr. Lo is currently an independent consultant in the areas of wireless communications. He is a veteran in wireless industry, with more than 30 years of experiences in various telecomm, satellite communications, and wireless communications technologies. In particular, he is an expert in including antennas, RF, modulation/coding, radio protocols, wireless standards (including 3G, 4G, 5G, and 802.11). Having worked in different sectors of the industry such as intellectual property (IP) development and support, R&D, product development, network deployment, and design services, he has a deep understanding of the telecommunications and wireless industry ecosystem. From 2000 to 2007 had participated in the IEEE 802.11 and 802.16 Working Groups in setting the standard specifications.

Dr. Lo is a pioneer in the field of smart antenna technology for wireless communications and satellite communications. He is the co-author of *Digital Beamforming in Wireless Communications*, the first technical reference book on smart antennas, published in 1996 by Artech House. He has been granted more than 120 US and foreign patents in the area of wireless communications. He has published more than 80 technical papers in international journals and conferences, presented and lectured many times at a broad array of industry and professional venues in the fields of antennas, RF, and wireless communications. He has provided numerous lectures on the same topics to various technical and industrial communities.

Dr. Lo have worked in a number of startups, where he engaged in research and development of OFDM/OFDMA technologies and products, especially 3GPP LTE/LTE-A and IEEE 802.11. Prior to his startup ventures, he worked at AT&T Wireless, where he led a cross-division team of researchers and engineers in research and development of key technologies for the world's first carrier-grade and commercially deployed OFDMA wireless system. He was a project/program manager at Communications Research Laboratory, McMaster University, leading a 20-member team of research engineers, scientists, and graduated students, in R&D of wireless and satellite communications technologies.

Dr. Lo received his B.A.Sc. degree from the University of British Columbia, Vancouver, Canada, M.Eng. and Ph.D. degrees, from McMaster University, Hamilton, Ontario, Canada, all in electrical engineering. He was appointed as an affiliated professor at the University of Washington, Seattle, WA from 2008 to 2012. He has served or been serving various leadership positions in the Institute of Electrical and Electronics Engineers (IEEE). He is a senior IEEE member and a member of IEEE Eta Kappa Nu Honor Society.

EDUCATION

Ph.D., Department of Electrical and Computer Engineering, McMaster University, Hamilton, Ontario, Canada

M.Eng., Department of Electrical and Computer Engineering, McMaster University, Hamilton, Ontario, Canada

B.A.Sc., Department of Electrical Engineering, the University of British Columbia, Vancouver, British Columbia, Canada

EMPLOYMENT HISTORY

Jan. 2014 – present **Freelance Wireless Technology Consultant**, Bellevue, Washington

Responsibility: Providing consulting services to clients in various industries in the following aspects:

- Analysis, evaluation, and legal procedure support of wireless-technology IP portfolios
- Analysis and evaluation of technology markets and industry ecosystems

Jan. 2006 – present **VP of Technology and Operations**, Neocific, Inc., Bellevue, Washington

Responsibility: Managing development and maintenance of intellectual property portfolio
Managing and mentoring a team of engineers in the design and development of 4G technologies:

- Technology research and development
- Engineering management

Directing company's daily operations and business development

Dec. 2003 – Dec. 2005 **VP of Engineering and Operations**, Waltical Solutions, Inc., Bellevue, Washington

Responsibility: Managing engineering teams in both the US HQ and an oversea subsidiary in the design and development of broadband wireless and wire communication systems (802.11, 802.16e, WiMAX, WiBro, etc.):

- Product development
- Technology development
- Engineering management

Directing company's daily operations at both US and oversea sites and business development

Mar. 2001 – Aug. 2003 **Principal Member of Technical Staff**, Nextcomm, Inc., Bellevue, Washington

Responsibility: Leading in R&D of WLAN technologies and products and providing support and supervision to a team of engineers:

- The development of baseband signal processor for *IEEE 802.11a/g* wireless local area networks (WLAN): from conceptual design to fixed-point model to FPGA prototype realization.
- The system architecture of the *IEEE 802.11a/g* baseband signal processor: from radio front end to interface with MAC

Leading in intellectual property development:

- Internal R&D projects to develop enabling technologies
- Participation and contribution in *IEEE802.11*

Apr. 1997 –
Mar. 2001

Principal Member of Technical Staff, AT&T Wireless, Redmond, Washington

Responsibility:

Leading a cross-division team of researchers and engineers from AT&T Labs-Research and AT&T Wireless technology development and business units in R&D of key technologies for the world's first carrier-grade and commercially deployed OFDMA wireless system; accomplished major projects and activities including:

- Definition of technology roadmap for wireless digital broadband data services
- Development and analysis of space-frequency processing techniques for current and future products
- Analysis of system bandwidth scalability, coverage, and capacity of wireless digital broadband data services
- Development and analysis of array antenna technologies for both base stations and subscriber units
- Development and analysis of MIMO channel compensation techniques
- Propagation channel measurement and modeling
- Principal authorship of Air-Interface Design Documents

July 1993 –
June 1997

Project/Program Manager and Senior Research Engineer, the Communications Research Laboratory, McMaster University, Hamilton, Ontario, Canada

Responsibility:

Managing industrial and governmental R&D contracts as well as academic research programs; leading a cross-discipline team of engineers, scientists and scholars to carry out independent studies, analyses, interpretations, conclusions and recommendations on various engineering projects that require highly specialized knowledge; providing supervision to research engineers, technicians, visiting scientists, graduate students, and post-doctoral fellows; accomplished major projects and activities including:

Communications:

- LMDS/LMCS system design evaluation
- Intelligent signal processing for wireless communications
- Smart antennas for wireless communications
- Digital beamforming for wireless communications
- Regenerative digital satellite system
- Design study of digital beamforming for L-band and Ka-band mobile satellite communications
- Development of software for communications receiver (early concept of SDR)

Signal Processing:

- Intelligent multi-sensor data fusion
- Digital beamforming for advanced spaceborne synthetic aperture radar
- Fractal modeling of radio wave propagation over trees and bushes
- Robust multi-sensor Multiple-target tracking techniques
- Neural networks for multi-sensor data fusion
- Multiple-target tracking using artificial neural networks

Jan. 1990 –
March 1997

Principal Consultant, TL Associates, Hamilton, Ontario, Canada

Responsibility:

Providing consulting services to both industrial companies and governmental research and development agencies; accomplished major projects and activities including:

- Ongoing expert consultation to Ministry of Industry, Canada, on smart antenna technology
- Radarsat antenna elevation pattern restoration for Canadian Space Agency
- Radarsat receiver test data analysis methodology for Canadian Space Agency
- Antenna signal processing techniques to provide multipath immunity for a high accuracy direction finding system for electronic support measures for Department of National Defense

*May 1988 –
June 1993*

Responsibility:

Research engineer, the Communications Research Laboratory, McMaster University, Hamilton, Ontario, Canada

Carrying out industrial and governmental R&D contracts as well as academic research programs; making independent studies, analysis, interpretations, conclusions and recommendations on various engineering projects, including:

- High accuracy direction finding
- Development of robust and effective processing schemes for multifunctional radar applications
- Development of software and hardware for an RF communication link system for measuring and analyzing real multipath signals
- Modelling of microwave scattering from sea surfaces; development and validation of the computer sea-scattering model for a communication link system
- Digital adaptive beamforming for a wires communication system using modern spectrum estimation and adaptive filtering techniques
- Antenna array pattern synthesis and the design of the subarray in a microwave landing system

*Sept. 1986 -
Apr. 1988*

Responsibility:

Teaching assistant, Department of Electrical and Computer Engineering, McMaster University, Hamilton, Ontario, Canada

Giving undergraduate tutorial lectures; coordinating course experiments; grading laboratory reports, assignments, and examinations

*June 1986 -
Aug. 1986*

Responsibility:

Biomedical Researcher, Mount Sinai Hospital, Toronto, Ontario, Canada

Carrying out research activities on biomedical signal processing and realization of biomedical systems using both software and hardware

MEMBERSHIP AND PROFESSIONAL ACTIVITIES

Current:

- Senior Member of the Institute of Electrical and Electronics Engineers (IEEE)
- Member of IEEE Eta Kappa Nu Honor Society
- Startup subcommittee chair of the Industry Outreach Board of the IEEE Communications Society since 2017
- Finance chair of the IEEE Global Humanitarian Technology Conference since 2019
- Vice Chair of IEEE Seattle Communications Joint Chapter from 2019

Past:

- Co-Chair of Startup Forum in the second IEEE 5G World Forum in 2019
- Technical program coordinator for the IEEE Seattle 5G Workshop 2019

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