

ANAND SRINIVASAN

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Kanata, ON, Canada K2K 3E4

Cell: (613) 795-3466

<http://ca.linkedin.com/in/drsrinivasan>

Management Leadership | ORGANIZATIONAL EXCELLENCE | Technology Innovation Strategist

SUMMARY OF INDUSTRY QUALIFICATIONS

- Research & Technology vision and Hands-on leadership towards bringing new ideas into leading initiatives, roadmaps and setting direction of the institution's future growth objectives
- Proven leadership in technology and innovation, setting, updating and hands-on implementing short term and long term strategic research, financial and business plans
- Proven leadership in software and hardware - broadband wireless networking technology and innovation (LTE, WiMAX, WiFi, Mesh), network and system design and optimization, and network/radio performance, setting short term and long term company direction and roadmap while challenging both engineering and sales towards new markets
- Hands-on Product management direction and leadership to engineering and network teams towards building and deploying world class wireless products that have state of the art design in LTE, WiMAX, WiFi, Smartgrid sensor networks and Mobility, with best product wins
- Major research grant and Request for Proposal (RFP) wins through consolidated effort involving multiple funding agencies, departments and provincial/federal institutions
- Support for extension of existing research by finding synergy between multiple departments and exploring innovative applications that would lead to industry participation towards new funding, intellectual property, regulation standards, stacking rules and commercialization
- Execution leadership to deliver research programs and services within projected resource, time, cost and quality while managing risks through acceptable mitigation strategies
- Mentoring peers on execution excellence & leadership without compromising set of values
- Foster Industry and research leadership - Over 4 patents, 50 papers in conferences/journals, and over 25 MS/PhD students mentored and graduated
- Participating in research boards, grant reviews and meetings to bring consensus
- Human resources management, direction and leadership to engineering and network teams across Canada, US, India, and Slovenia towards building and deploying products and services
- Financial management of capital and operating budgets - planning, forecasting and reporting
- End to end P&L responsibility – University-industry synergy identification, Proposal submission, Agreement sign-off, execution, presentation, follow up, IP and commercialization

WORK EXPERIENCE

EION Inc.

Oct 2001 to Present | Ottawa, ON, Canada

Chief Technology Officer

- Led End to end execution of IceNet wireless – Ottawa, service provider arm of EION Inc.
- Added Digital signage, advertisement and community Internet service as revenue streams for a new ISP business after having won a RFP from the City of Ottawa for providing Internet to community centers for five years renewable to fifteen years
- Expanded ISP business by introducing Internet to Business Improvement Areas (BIA)s
- Oversaw development and implementation of wireless access point and antenna solutions that provides targeted Internet to streets and tunnels
- Leading efforts to provide targeted Internet over wireless to transport buses and trains
- Introducing LTE, WiFi/AC products to integrate cellular and wireless standards for rural Internet, IoT, Smart Grids, emergency preparedness and disaster recovery

Vice President, Technology

- Presented market trends and big picture to the executive leadership teams and set new directions based on sales opportunities, competitive analysis and cost of introduction
- Managed and planned the timeline of when and how disruptive technologies will impact the portfolio. Created risks and mitigation strategy towards new product introduction.

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- Technology team leadership. Researched and interpreted new technology by leading research teams and publishing results in reputed and refereed conferences and journals
- Human resource management of technology projects including supervision, managing the deliverables, day-to-day requirements, assessment, risks and mitigation
- Financial management of the technology projects including planning, forecasting and reporting for collaborative teams. For example, Canadian Space Agency project HR/Finance/Project management involved teams from Telesat, EION, CSA, Carleton, Algonquin, and U of Toronto.
- Monitored new technology through participation in forums, review sessions and technical committees in areas such as wireless technologies, design and performance
- Complete understanding of communications technology - list of over 50 publications and patents given in <http://ca.linkedin.com/in/drsrinivasan> and Research Experience document

Vice President, Portfolio Management

- Managed entire product portfolio including SLA, KPI – customer & vendor management
- Collaborated with executive team incl. Global Product Management and Lines of Businesses
- Created Multi-year short term and long term roadmap of new products. Prioritized roadmap, product attributes and cost targets. Conducted margin analysis, forecasting and pricing
- Prioritized Customer End-User Requirements, defining portfolio vision, understanding the new wireless spectrum needs per line of business and standardizations
- Mentored team members in understanding of customer needs, how to conduct research with the customers, defining products, validating requirements, testing prototypes and launch
- Developed and maintained the product to product line logic within the portfolio

Vice President, Engineering and Product development

- Managed teams spanning multiple locations around the world including outsourcing towards building network routing components, hardware and software builds, certification and delivery
- Apprise executives on project performance deviation, risks and mitigation strategy
- Provided direction and leadership to engineering and core network element development groups, to bring over ten wired and wireless product lines into market
- Participated in executive leadership team to recommend and decide future product offerings
- Evaluated team competency, optimized team performance determining training strategy
- Led planning process, recruitment, performance management of engineering staff

Vice President, Product Management

- Worked closely with the wireless teams and engineering teams to deliver best in class market leading wireless products that meet or exceed the profit, quality and value proposition goals
- Led team of managers, architects, technologies, partners, consultants and engineers
- Strategic planning and leading entire product portfolio and product line management
- Leadership in administration of various Request for Proposals and Research grants
- Interaction with various funding agencies and Intellectual Property negotiations
- Close interaction with senior leadership team to monitor sales growth areas, market trends, customer needs and provide analytical objective and subjective strategies and insights
- Set directions to the development team and a strong base for development of new technology
- Managed all aspects including PoR, Pricing, Engineering plans, NPI delivery, Customer engineering and network operations liaison, and customer/sales interaction

General Manager - WiMAX Products

- P&L responsibility for the entire WiMAX portfolio, raising high worth POs
- Strategic planning and introduction of WiMAX products to carrier and enterprise markets

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- Led diverse development teams to produce world class products - Over 10,000 installed base
- Hands on experience in interacting with DFAIT, WPC, EDC and other government, financial and certification agencies to get the products moving

Director - Services

- Led the services development groups in Canada and India.
- Handled on-time customer deliverable of routing/ MPLS virtualization to Nortel Networks; OLSR/Ad Hoc system to BAE systems, and Routing in parallel servers to Liquid Computing
- Experienced in analyzing quality deliverable metrics and implementing best practices

Manager – Routing Protocols | Tropic Networks (Alcatel-Lucent)

Jan 2001 to Sep 2001 | Ottawa, ON, Canada

- Managed routing protocol group to bring multi-constrained routing, traffic management and security for optical network platform
- Contributed to the research of multi-constrained routing, leading to two patents

Manager – High Availability Systems | Bell Northern Research (Nortel Networks),

Sep 1995 – Jan 2001 | Ottawa, ON, Canada

- Managed high availability systems group towards bringing fault-tolerance protocols, namely fast switch-over and VRRP into Open IP platform
- Security, reliability and fault-tolerance work leading to two patents and IETF draft submission
- Collaborated with UVic on industrial research leading to an innovative routing protocol
- Led the team towards developing MPLS traffic engineering software suite
- As a senior architect, worked in optical platform InterWAN fairness algorithms
- As a senior systems engineer, conducted capacity planning and devised overload controls for UE9000 and OneMeg Modem products. Also conducted bottleneck analysis, traffic engineering validations and extensive simulations for VAD, Wireless VAD, and NAV products

EDUCATION

Ph.D. in Computer Science | Dept. of Computer Science, University of Victoria
1991 – 1995 | Victoria, B.C., Canada

Master of Science in Computer Science | Dept. of Computer Science, University of Victoria
1989 - 1991 | Victoria, B.C., Canada

Master of Computer Applications | School of Computer & System Sciences, JNU
1986 - 1989 | New Delhi, India

Bachelor of Science (Honors) in Mathematics | University of Delhi,
1982 - 1986 | New Delhi, India

TECHNOLOGY

PARTICIPATION

- Reviewer of Lead to win sponsored by Sprott School of Business, Carleton University
- Regular participant of Telfer School of Management India forum leading the round table discussions on regulatory issues
- CanWISP committee member to determine WISP radio frequency requirements, 2015
- Strategic Network Grants Program (NETGP) – Smart Microgrid Network (NSMG-NET), 2012-15
- Speed Networking Session – Mining Communications, CEMI, Toronto, March 2013

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- Panelist, "Adapting Your Business To India - 2013 National Capital India Forum", [TELFER School of Management, SPROTT School of Business](#), February 2013
- IEEE conferences as chair of committees (ICC 2012)
- Panelist, [TELFER School of Management](#), "Assessing Your Readiness for India", February 2011
- [Editorial Review Committee - Managing Traffic Performance in Converged Networks](#), ITC-20, Springer, June 2007
- Position paper in UVS Canada Conference – Beyond the Next Frontier on Wireless in UAV, 7-10 November 2006, Montebello, Quebec
- Participated and presented in several forums, expert panels, symposiums, proceedings, conferences and journals

PROFESSIONAL ASSOCIATIONS

- Past and Present Affiliations - IEEE, AIAA, UVS Forum, TiE
- NSMG-NET – One of six members across Canada for setting direction on Smart Grids
- Committee for evaluation of proposals in Ontario Center of Excellence and ISTP
- Adjunct Research Professor since 2001 at Carleton University Department of System and Computer Engineering

PUBLICATIONS BOOK CHAPTERS

- Over 50 publications, book chapters and journal papers can be found at
 - <http://ca.linkedin.com/in/drsrinivasan>

PATENT & IETF SUBMISSIONS

- **Multi-Constraint Routing System and Method**, United States US6925061, US7187652
- **Electing A Master Server Using Election Periodic Timer in Fault-tolerant Distributed Dynamic Network Systems**, United States US6889338
- **Self-monitoring Mechanism in Fault-Tolerant Distributed Dynamic Network Systems**, United States US20030037284
- **Multi-Constraint Routing System and Method**, Canada CA2466905
- **Path Request and Path Reply Message**, IETF Internet Draft, November 2000, with C-Y-Lee, Sudhakar Ganti, <http://tools.ietf.org/html/draft-lee-mpls-path-request00>