

Curriculum Vitae: Dileeka Dias

PROFESSIONAL SUMMARY

I am a seasoned Telecommunications expert with nearly four decades of experience dedicated to teaching, research, industry collaboration and innovation. My passion lies in translating research findings into real-world solutions. I also have a wealth of experience in academic administration, having led various academic divisions throughout my career. My approach to life and work is characterized by an open-mindedness, and I seamlessly adapt to new and dynamic situations. I relish the opportunity to step outside my comfort zone, always eager to embrace fresh challenges. I remain unwaveringly committed to the pursuit of lifelong learning.

QUALIFICATIONS AND AFFILIATIONS

- Doctor of Philosophy, University of California, Davis, USA, June 1992.
- Master of Science, University of California, Davis, USA, June 1988.
- Bachelor of Science is Engineering (Electronic & Telecommunication Engineering), University of Moratuwa, Sri Lanka, 1985.
- Chartered Member, Institution of Engineers, Sri Lanka (IESL).
- Senior Member, Institution of Electrical and Electronic Engineers (IEEE), USA.
- Fellow, National Academy of Sciences, Sri Lanka, July 2026.

EXPERIENCE

JAN 2026 – SEPT 2026, Deputy Vice Chancellor, University of Moratuwa

Recommend to the University Senate, matters related to registration, progression and awards of postgraduate degrees, matters regarding curriculum and evaluation in undergraduate and postgraduate programs, matters regarding awards for undergraduate and postgraduate students. Review and monitor quality assurance practices of the University. Review and monitor effective functioning of University-Industry interaction activities. Assist the Vice Chancellor/Governing Council to regulate and provide for the residence, discipline and well-being of students. Monitoring the functions of the Student Counsellors and provision of relevant training. Review and recommend activities of student unions and societies. Monitoring the selection of students entitled for financial assistance. Mediation in issues related to student welfare. Assisting the Vice Chancellor to implement programs necessary for the prevention of harassment and victim support.

APRIL 2011 to SEPT 2026, Senior Professor, Department of Electronic & Telecommunication Engineering, University of Moratuwa

APRIL 2003 – APRIL 2011: Professor, Department of Electronic & Telecommunication Engineering, University of Moratuwa

Develop and deliver new course module offerings and design projects based on research experiences to drive student learning in new directions. Curriculum development and department development strategies. Mentor students in their thesis projects. Mentor students on career planning and postgraduate study. Conduct research, publish papers and present at research at conferences. Coordinated MIT's Global Statup Labs (GSL) program at the University of Moratuwa, 2011 - 2014.

SEPT 2004 to APRIL 2026: Director, Dialog-University of Moratuwa Mobile Communications Research Laboratory

Leading the establishment of the first industry-sponsored research laboratory in a University in Sri Lanka.

Prepare project proposals and guide their implementation in collaboration with the sponsor. Set and manage timelines and budgets. Recruit staff and build project teams. Acquire resources. Direct field operations for testing and deployment R&D outcomes. Negotiate agreements between the University and the sponsor for operational, intellectual property and royalty/revenue sharing purposes. Manage legal processes such as non-disclosure undertakings and patents.

Key outputs of the Laboratory include Sri Lanka's first disaster early warning network (DEWN), Sri Lanka's first smart meter network deployment with over 30,000 units (with funding from the GSMA, a global industry association headquartered in the UK), and Sri Lanka's largest industrial IoT system to date at a leading fabric manufacturing plant and its factory in India. The lab has also

AREAS OF INTEREST

- Wireless sensing and positioning
- Internet of Things
- Wireless Networks
- Intelligent Transport Systems

SKILLS

- Teaching, research and mentoring
- Academic administration
- Networking and collaboration
- Academic quality assurance and accreditation.
- Technical and creative writing

RECOGNITIONS

- Presidential Scholarship for postgraduate studies, President's Fund, Sri Lanka, 1986.
- University of California Regents' Fellowship, 1988-1992
- National Science and Technology Award for "Excellence in Multidisciplinary Research and Development" - 2006 (Award for work done at the Dialog-UoM Lab.
- National Best Quality Software Awards 2006 (Award for work done at the Dialog-UoM Lab) - Overall Winner
- National Science and Technology Award for "Engineering Product Development with Commercial Potential"- 2008 (Award for work done at the Dialog-UoM Lab.
- National Science and Technology Award for "Science and Technology for Sustainable Social Development" - 2010 (Award for work done at the Dialog-UoM Lab)
- Zonta Woman of Excellence award in Engineering - 2006
- University of Moratuwa award for research excellence - several years between 2008 and 2019.

developed a 5G test-bed based on open source technologies, the only one of its kind in Sri Lanka, and on par with the global state-of-the art. In the last 5 years, the lab has developed expertise in Augmented/Virtual Reality (AR/VR), with a unique exergaming framework established targeting environments created through real 360-degree videos. Additionally, the lab has sponsored many undergraduate projects exploring cutting edge communications technologies. The work involves extensive industry and community engagement.

The work of the lab has been rewarded with three patents, three National Science and Technology awards and an overall Gold award at the National Best Quality Software Awards (NBQSA).

JAN 2015 - JAN 2021: Dean, Faculty of Graduate Studies, University of Moratuwa (Founder Dean)

Managed the change from a faculty level administrative structure for research degree programs to a centrally managed one through the new Faculty. Streamlined procedures and introduced an electronic management platform for research programs. Introduced new research degree award criteria to enhance the research profile of the University. Established joint Ph.D. programs with foreign universities. Established multidisciplinary research centers in strategic areas in the University. During this period, enrollment of research degree candidates tripled and the number of research degrees awarded annually increased from 22 to 64.

DEC 2007 - DEC 2010: Dean, Faculty of Information Technology, University of Moratuwa

Established a formal management structure for the undergraduate programs. Oversaw the creation of a new degree program. Oversaw the establishment of new laboratories in the Faculty. Evaluated and recruited new academic staff for the Faculty.

SEPT 1999 - APR 2003: Head, Department of Electronic & Telecommunication Engineering, University of Moratuwa

Prepared proposal for funding for a new building. Coordinated construction of the building and procurement of equipment. Managed increase of student intake to the Department. Managed the transition from a year-based curriculum to a semester-based one. Provided administrative oversight to the Department coordinating with both academic and non-academic staff.

JUN 1992 - APR 2004: Senior Lecturer, Department of Electronic & Telecommunication Engineering, University of Moratuwa

Teaching, research and laboratory work. Designed, administered, and assessed student assignments and examinations. Contributed to curriculum development.

SEPT 1988 - JUN 1992: University of California Regents' Scholar, University of California, Davis, USA

Carried out research towards the PhD. Contributed as a teaching assistant to undergraduate programs at the University of California, Davis, Department of Electrical and Computer Engineering. Participated in conferences and presented papers.

- Orator, 31st Susan George Pulimood Memorial Oration, Visakha Vidyalaya, Colombo, August 2022

PERSONAL INFORMATION

- Phone: +9477 768 8861
- Email: dileeka@uom.lk
- DoB: 24.09.1961

SEPT 1986 – SEPT 1988: Presidential Scholar, University of California, Davis, USA

Postgraduate research.

AUG 1985 – AUG 1986: Lecturer (Probationary), Department of Electronic & Telecommunication Engineering,

Undergraduate teaching and assessment.

OTHER ROLES & RESPONSIBILITIES

UGC / Ministry of Education

My contributions to the Ministry of Education has been primarily in the non-state higher education (NHSE) sector. The tasks undertaken by the relevant committees have been related to institutional and programme reviews.

- Chairperson, Technical Advisory Committee to prepare guidelines for the Five-Year Periodic Programme Review for non-state higher educational institutes – June 2024.
- Chairperson, Periodic institutional Review Panel for non-state higher educational institutes – June 2024
- Member, Technical Advisory Committee on the review of Minimum Standards for Programmes offered by Non-state Higher Education Institutes, Ministry of Education, January 2021 - January 2023.
- Member, UGC Sub-committee for Higher Education under the Proposed New Education Reforms, appointed December 2022.
- Chairperson (Engineering discipline), Technical Advisory Committee on Minimum Standards for Programme Review (non-state degree awarding institutions), Ministry of Education - Sept. 2022 to date.
- Member, UGC standing committee on Postgraduate Studies and Research, January 2015 - January 2021.
- Member, Standing Committee on Accreditation and Quality Assurance (SCAQA), Ministry of Higher Education, April 2018 - April 2019.

The National Science Foundation

My primary contribution at the NSF has been in relation to Competitive Research Grants. The tasks undertaken by the relevant committees have been evaluation and recommendation of grant proposals, progress reviews and final evaluation.

- Chairperson, Working Committee on Engineering Sciences, Architecture & ICT, 2013-2019.
- Chairperson, NSF National Committee on Electronics & ICT, 2010 – 2013.
- Chairperson, NSF National Committee on Electronics & ICT, 2010 – 2013.
- Research Committee on Engineering Sciences (Member), 2008 – 2010.
- Working Committee on Engineering Sciences (Member), 2006-2008.



Other

- Consultant to the Telecommunications Regulatory Commission of Sri Lanka (TRCSL) on the establishment of Quality-of-Service Standards and Rules for fixed and mobile voice services, 2013 -2016.
- Member, Jury for the Evaluation of Presidential Awards for Inventions, 2017 - 2022.
- Member of the Board of Governors of the Arthur C. Clarke Institute for Modern Technologies - April 2015 to January 2018.
- Member of the Board of Directors, National Engineering Research and Development (NERD) Centre - January 2002 to December 2008.
- Member, Committee for 5G Spectrum Auction Committee, Telecommunications Regulatory Commission of Sri Lanka (TRCSL), May 2025.

Co-Authorship of Patents

- Sri Lanka Patent no.14835, “A Device for Tracking and Managing a Mobile Object Using A Combination of GPS, GRPS & GSM Technologies
- Sri Lanka Patent No. 14295, “Disaster and Emergency Warning Network (DEWN): A Cellular Technology Based System (Primarily GSM) for Early Warning of Disasters”,
- Sri Lanka Patent No. 16009, “eleAlert - A Device for Maintenance, Management and Monitoring of Fences and other demarcated boundaries by the use of Gyroscopic Sensing Element and Mobile Communication Technology”

List of Publications

Books

Essentials of Modern Telecommunications Systems, Nihal Kularatna and Dileeka Dias, Artech House, Boston, London, May 2004.

Contribution to Books

- Chapter 3 - DC-DC Converters; “Power Electronics Design Handbook-Low Power Components and Applications”, by Nihal Kularatna, Butterworth-Heinemann, USA, August 1998.
- Chapter 1 - Voltage References and Voltage Regulators; “Modern Component Families and Circuit Block Design”, by Nihal Kularatna; Butterworth-Heinemann, USA April 2000.
- Chapter 10 – Logic Analysers; “Analog and Digital Instrumentation”, by Nihal Kularatna, IEE Press, London, January 2003.
- Section 4 – “[Impact: Stories of Research, Innovation and Service](#)”, Golden Jubilee Commemorative Publication, University of Moratuwa, December 2022.

Research papers

1. Feher, K., and D. Subasinghe-Dias. "Baseband Pulse Shaping for p/4 DQPSK in Nonlinearly Amplified Mobile Channels." *IEEE Transactions on Communications* 42, no. 9, 1994.
2. D. Subasinghe-Dias and K. Feher, "Baseband pulse shaping for $\pi/4$ FQPSK in nonlinearly amplified mobile channels," in *IEEE Transactions on Communications*, vol. 42, no. 10, pp. 2843-2852, Oct. 1994.
3. D. Subasinghe-Dias and K. Feher, "A coded 16 QAM scheme for fast fading mobile radio channels," in *IEEE Transactions on Communications*, vol. 43, no. 5, pp. 1906-1916, May 1995.
4. D. Weerasinghe and D. Dias, "DSP-based techniques for speech training of hearing-impaired children," 2001 IEEE Pacific Rim Conference on Communications, Computers and Signal Processing (IEEE Cat. No.01CH37233), Victoria, BC, Canada, 2001, pp. 51-54 vol.1.
5. Shamali PKA Gunawardena, BMD Rangana, MM Siriwardena, An Automated Rainfall Monitoring System, Engineer: Journal of the Institution of Engineers, Sri Lanka, Vol. 39, Issue 2, 2006.
6. Waidyanatha, N., D. Dias, and H. Purasighe. "Challenges of optimizing common alerting protocol for SMS based GSM devices in a last-mile hazard warning system in Sri Lanka." In *Proceedings 19th Meeting Wireless World Research Forum*, Chennai, India. 2007.
7. U. Dampage, Dileeka Dias, "An Economical approach for user behaviour determination for the selection of type of Location Based Services, Journal of the Institution of Engineers, Sri Lanka, Vol. XXXX, No. 4, 2007.

8. B. D. S. Lakmali, W. H. M. P. Wijesinghe, K. U. M. De Silva, K. G. Liyanagama and S. A. D. Dias, "Design, implementation & testing of positioning techniques in mobile networks," 2007 Third International Conference on Information and Automation for Sustainability, Melbourne, VIC, Australia, 2007.
9. R. V. Abeywickrama, A. A. T. I. Attanayake, R.H.De Silva Ginige, D.D.A.P.C Domingo, D. Dias, "Car Park Navigating System", Engineering Research Unit (ERU) Symposium, 2008, University of Moratuwa, October, 2008
10. C. M. S. U. Bandara, W. D. A. Indrajith, S. A. M. Nirosha, W. N. E. Peiris, S. A. D. Dias, "Video Surveillance System with Adaptive Compensation for Wireless Networks", Engineering Research Unit (ERU) Symposium, 2008, University of Moratuwa, October, 2008.
11. M. Medagama, D.S. Gamage, W.P.L. Wijesinghe, N. Leelaratna, G. T. I. Karunaratne, Dileeka Dias "A GIP/GPS/GPRS and Web-based Framework for Fleet Tracking", National Conference on Geoinformatics Applications in Sri Lanka, 2008, Arthur C. Clarke Institute for Modern Technologies and Centre for Geoinformatics Applications and Training, October 2008.
12. M. Medagama, D.S. Gamage, W.P.L. Wijesinghe, N. Leelaratna, G. T. I. Karunaratne, Dileeka Dias "A GIP/GPS/GPRS and Web-based Framework for Fleet Tracking", *Engineer*, Journal of the Institution of Engineers, Sri Lanka, Vol. XXXXI, No. 5 pp. 28-33, 2008.
13. Lanka Wijesinghe, Prasanga Siriwardena, Sinnathamby Shanmugarajah, Sameera Wijeratne, Randinee Wijesinghe, Michael de Soya, Harsh Purasinghe, Dileeka Dias "DEWN II: A Trilingual Disaster and Emergency Warning Network", International Conference on Information Technology (IITC 2008), Colombo, Sri Lanka, October 2008.
14. B. M. D. Prasad Bandara, J. T. Charith Gunasekera, K. U. Kelum Weliwatta, W. A. I. Maduranga Wickramasinghe, Ajith Pasqual, Dileeka Dias, "Cellular Intercom", International Conference on Information Technology (IITC 2008), Colombo, Sri Lanka, October 2008.
15. K. V. R. Silva, N. D. Suraweera, D. S. Talagala, D. K. Thilakarathna, Dileeka Dias, "Zigbee-based Local Communication System for a High Noise Environment", International Conference on Information Technology (IITC 2008), Colombo, Sri Lanka, October 2008.
16. Pushpika Wijesinghe, Dileeka Dias, "A Novel Approach for RSS Calibration in DCM -based Mobile Positioning using Propagation Models", 4th International Conference on Information and Automation for Sustainability (ICIAfS 08), Colombo, Sri Lanka, December 2008.
17. B. D. S. Lakmali, Dileeka Dias, "Database Correlation for GSM Location in Outdoor & Indoor Environments", 4th International Conference on Information and Automation for Sustainability (ICIAfS 08), Colombo, Sri Lanka, December 2008.
18. Nuwan Gajaweera, Dileeka Dias, "FAMA/TDMA Hybrid MAC for Wireless Sensor Networks", 4th International Conference on Information and Automation for Sustainability (ICIAfS 08), Colombo, Sri Lanka, December 2008.
19. D.N. Jayasingha, N.P.M.L. Jayawardhane, P.N. Karunanayake, G.D. Karunarathne, D. Dias "Wireless Sensor Network Testbed for Mobile Data Communication", 4th International Conference on Information and Automation for Sustainability (ICIAfS 08), Colombo, Sri Lanka, December 2008.
20. Jinendra Dharamapala, Dileeka Dias, "A Methodology for Speech Quality Assessment in Wireless Networks", *Engineer*, Journal of the Institution of Engineers, Sri Lanka, Vol. XXXXII, No. 4 pp. 105-111, 2009.
21. W.A.Suresha Nilmini Perera, Panduka Karunanayake and Dileeka Dias, "UCFM Travel Health Clinic: Concept and Design", Proceedings of the 27th National IT Conference, Colombo, Sri Lanka, November 2009 (ISBN: 978-955-9155-17-1) pp. 260 – 264.

22. S Ahangama, T.M.T.N Fernando and D Dias, "GPS /GIS enabled decision support system for real time taxi guiding in local Context", Proceedings of the 27th National IT Conference, Colombo, Sri Lanka, November 2009 (ISBN: 978-955-9155-17-1) pp. 233 – 239.
23. Kelum Vithana, Shantha Fernando, Dileeka Dias "A Service Platform for Subscription-Based Live Video Streaming", 4th International Conference on Industrial and Information Systems , Peradeniya, Sri Lanka, December 2009
24. Michael Medagama, Dileeka Dias, Shantha Fernando , "Transcoding Based Optimum Quality Video Streaming Under Limited Bandwidth", 4th International Conference on Industrial and Information Systems , Peradeniya, Sri Lanka, December 2009
25. R. H. A. N. C. Bandara, Dileeka Dias, "A Multi-Agent System for Dynamic Ride Sharing", 4th International Conference on Industrial and Information Systems , Peradeniya, Sri Lanka, December 2009.
26. Dasuni Kannangara, Nimalika Fernando, Dileeka Dias, "A Web-based Methodology for Visualizing Time-Varying Spatial Information", 4th International Conference on Industrial and Information Systems , Peradeniya, Sri Lanka, December 2009.
27. Nimalika Fernando, Dileeka Dias, "Challenges and Opportunities related to serving GIS via Mobile Phones: Review from a Developing Nation's Perspective", Free and Open Source Software for GIS (FOSS4G) conference, Sydney, Australia, October 2009.
28. N. S. Kodippili, Dileeka Dias, "Integration of Fingerprinting and Trilateration Techniques for Improved Indoor Localization", Proceedings of the 7th International Conference on Wireless and Optical Communications Networks (WOCN-2010), Colombo, Sri Lanka, September, 2010.
29. Nimalika Fernando, Dileeka Dias, "Mobile Internet based approach to provide geoenabled services on low to mid-range mobile phones", ICTer 2010, Colombo, Sri Lanka, October 2010.
30. Deneth Karunathne, Thanushka Gunasekera, Dharshana Kasthurirathne, Dileeka Dias, "Mobile-based GIS for Dynamic Team Tracking and Map Generation", Proceedings of the 5th International Conference on Information and Automation for Sustainability (ICIAfS-2010), Colombo, Sri Lanka, December 2010.
31. Nimalika Fernando, Sohan Wijesekara, Dileeka Dias, "A Framework to Develop Location Based Services Applications Using OGC Map Services", Proceedings of the 5th International Conference on Information and Automation for Sustainability (ICIAfS-2010), Colombo, Sri Lanka, December 2010.
32. T. C. Sandanayake, A. P. Madurapperuma, D. Dias, "Affective E Learning Model for Recognising Learner Emotions", International Journal of Information and Education Technology, Vol. 1, No. 4, October 2011, pp. 315-320.
33. Lanka Wijesinghe, Prasanga Siriwardena, Shamali Dahanayake, Dharshana Kasthurirathne, Ravi Corea, Dileeka Dias, "Electric Fence Intrusion Alert System (eleAlert)", Proceedings of the IEEE Global Humanitarian Conference, Seattle, Washington, USA, Oct-Nov. 2011.
34. Lanka Wijesinghe, Prasanga Siriwardena, Sameera Wijerathna, Harsha Purasinghe, Dileeka Dias, "Disaster and Emergency Warning Network (DEWN): Harnessing Cellular Technology for Early Warning Dissemination", Proceedings of the IEEE Global Humanitarian Conference, Seattle, Washington, USA, Oct-Nov. 2011.
35. Rakhitha Chandrasekara, Lanka Wijesinghe, Prasanga Siriwardena, J. Prasad Kumara Sampath, Ruvini Edirisinghe , Dileeka Dias, "Sensing Line-of-Sight Obstructions in a Multipath Radio Environment", submitted to the Annual Symposium of the Engineering Research Unit, University of Moratuwa, 2011.
36. Perera, K., Dias, D. An intelligent driver guidance tool using location based services, IEEE International Conference on Spatial Data Mining and Geographical Knowledge Services (ICSDM), June-July 2011, pp. 246-251

37. Lanka Wijesinghe, Prasanga Siriwardena, Dileeka Dias, "A Wireless Sensor Network for Early Warning of Elephant Intrusions", 1st International Conference on Wireless Sensor Networks for Developing Countries (WSN4DC 2013), Jamshoro, Pakistan, April, 2013.
38. Yogatheesan Varatharajah, Nuwan Karunathilaka, Mohamed Rismi, Sujan Kotinkaduwa, Dileeka Dias, "Body Area Sensor Network for Evaluating Fitness Exercise", Proceedings of the IFIP/IEEE Wireless and Mobile Networking Conference(WMNC2013), Dubai, April 2013.
39. Ruwini Edirisinghe, Dileeka Dias, Rakhitha Chandrasekara, Lanka Wijesinghe, Prasanga Siriwardena, Prasad Kumara Sampath, "Wi-Alert : A Wireless Sensor Network Based Intrusion Alert Prototype for HEC", International Journal of Distributed and Parallel Systems (IJDPS), ISSN/EISSN: 22293957 09769757, Vol 4, Issue 4, pp. 75-88, 2013.
40. E.R.I. A. C. Manel, A. S. Perera, S. A. D. Dias, "Generating Lane Level Road Data from Vehicle Trajectories Using Kernel Density Estimation", 16th IEEE Intelligent Transportation Systems Conference (IEEE-ITSC) *, the Hague, the Netherlands, October 2013.
41. C.L. Kariyawasam, Dileeka Dias, "GIS Based Analysis for Telecommunication Access Network Planning and Decision making", Transactions of the Institution of Engineers, Sri Lanka (IESL), October 2013.
42. D. S. Senanayake, D. Dias, "A Novel Approach for Propagation Model Tuning by Integrating Multipath Effect and Using Building Database", Transactions of the Institution of Engineers, Sri Lanka (IESL), October 2013.
43. Udari Dakshitha, Dakshitha Lenagala, Lakshani Silva, Hasitha Siriwardena, Dileeka Dias, "Vehicular Traffic Monitoring with Mobile Devices", 8th International Conference on Industrial and Information Systems , Peradeniya, Sri Lanka, December 2013.
44. Samiru Gayan, Dileeka Dias, "Improved DV-Hop algorithm through anchor position re-estimation", Proceedings of the 2014 IEEE Asia Pacific Conference on Wireless and Mobile, Bali, Indonesia, August 2014, pp. 126 – 131.
45. Prasad Sampath, Ruwini Edirisinghe, Dileeka Dias, "Sensor Network Based Device Free Intrusion Detection and Localisation", Proceedings of the 7th International Conference on Information and Automation for Sustainability, Colombo, December 2014.
46. H. H. Samiru Gayan, Dileeka Dias, "Novel Enhancements for Node Localization in Wireless Sensor Networks", Proceedings of the 7th International Conference on Information and Automation for Sustainability, Colombo, December 2014.
47. Shashini de Silva, Dileeka Dias, "A Sensor Platform for the Visually Impaired to Walk Straight Avoiding Obstacles", 9th International Conference on Sensing Technology, Wellington, New Zealand, December 2015.
48. U Sajeev, R Muralitharan, MMM Ramsan, MNM Zamrath, D Dias, "Open Source Mobile Network", Moratuwa Engineering Research Conference (MERCon), 2016, 102-107.
49. D Samudika, L Jayasinghe, KE Gunathilaka, Y Rumes, R Weerasuriya, D. Dias, "Stereo audio streaming via Visible Light", Moratuwa Engineering Research Conference (MERCon), 2016, 132-136.
50. Balasundram Arunn, Tharaka Samarasinghe, Dileeka Dias, "Performance Analysis of Wi-Fi Direct for Vehicular Ad-hoc Networks", 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), Bangalore, India, November, 2016.
51. Samodha Pallewatta, Poorni S. Lakmali, Sandini Wijewardana, Pabasara Ranathunga, Tharaka Samarasinghe, Dileeka Dias, "802.11p: Insights from the MAC and Physical Layers for a Cooperative Car Following Application", Intelligent Transport Systems – From research and development to the market uptake (INTSYS 2017), Helsinki, Finland, November 2017.
52. W. Manamperi, D. Karunathilake, T. Madhushani, N. Galagedara and D. Dias, "Sinhala Speech Recognition for Interactive Voice Response Systems Accessed Through Mobile

Phones," 2018 Moratuwa Engineering Research Conference (MERCon), Moratuwa, 2018, pp. 241-246.doi: 10.1109/MERCon.2018.8421888

53. Dayawansa, I. Wijenayake, C. Edussooriya, C. Samarasekara, T. Karunasekara, C. Dias, D. Samarasinghe, K. Kulasekere, C. Rodrigo, R. Dayananda, N. , "Blended induction program for electronic engineering freshmen", International Journal of Electrical Engineering Education, 2018.
54. W Manamperi, T Samarasinghe, D Dias, Enhancing the Wi-Fi direct protocol for data communication in vehicular ad-hoc networks, 21st International Conference on Intelligent Transport Systems (ITSC) *, Maui, Hawaii, USA, November 2018.
55. I Ismath, T Samarasinghe, D Dias, M Wimalarathna, Waruna Rasanga, Nalin Jayaweera, Yohan Nugera, Emergency Vehicle Traversal using DSRC/WAVE based Vehicular Communication, 2019 IEEE Intelligent Vehicles Symposium (IV) *, Paris, France, June, 2019
56. T Nuradha, I Gnanarathne, L Perera, D Denipitiyage, D. Dias, Beacon placement algorithm for hybrid indoor positioning with Wi-Fi and bluetooth low energy, 2019 Moratuwa Engineering Research Conference, Moratuwa, Sri Lanka, July 2019
57. Y. M. Wijesinghe, J. G. Samarawickrama and D. Dias, "Hardware and Software Co-Design for Object Detection with Modified ViBe Algorithm and Particle Filtering Based Object Tracking," 2019 14th Conference on Industrial and Information Systems (ICIIS), 2019, pp. 506-511, doi: 10.1109/ICIIS47346.2019.9063249.
58. R. Sandaruwan, I. Alagiyawanna, S. Sandeepa, S. Dias and D. Dias, "Device-free Pedestrian Count Estimation Using Wi-Fi Channel State Information," 2021 IEEE International Intelligent Transportation Systems Conference (ITSC) *, 2021, pp. 2610-2616.
59. Dileeka Dias, "Scholarly Output: 2015++", Bolgoda Plains, Vol. 1, Issue 2, University of Moratuwa, November 2021.
60. Udara Mendis, Senura Maduwantha, Kasun Perera, Dinely Wellehewage, Thilina Ambagahawaththa and Dileeka Dias, "360-Degree Immersive Experience for Indoor Cycling", ICVARs 2022, Brisbane, Australia, March 25-27, 2022.
61. T. Wickramarachchi, D. Dias, T. Samarasinghe and N. Gokull, "Evaluation of DSRC/Wi-Fi Hybrid Communications for Intelligent Transport Systems," 2022 IEEE 25th International Conference on Intelligent Transportation Systems (ITSC)*, 2022.
62. Dilun Sandeepa, Dulsara Gimhana, Aruna Lakpriya, Lakshan Jayaweera, Dileeka Dias and Kasun Hemachandra, "Competitive Virtual Cycling Platform Design for Low-Latency Networks", 25th IEEE Wireless Communications and Networking Conference (WCNC), Dubai, UAE, April 2024.
63. R. Kulathunga, O. De Silva, D. Abeywickrama, T. Vithanage and D. Dias, "SimuSIL: A Software-in-the-Loop Simulator for Cooperative Driving in Intelligent Transportation Systems," 2024 Moratuwa Engineering Research Conference (MERCon), Moratuwa, Sri Lanka, 2024.
64. P. Sothyrajah, R. Ravichandran, D. Gunasekaran, N. Neminathan, D. Dias and S. Gayan, "Wi-Con: Wi-Fi Channel State Information for Sensing in Confined Environments," TENCON 2024 - 2024 IEEE Region 10 Conference (TENCON), Singapore, Singapore, 2024, pp. 1006-1009.
65. Ranasinghe, V., Udara, N., Mathotaarachchi, M., Thenuwara, T., Dias, D., Prasanna, R., Edirisinghe, S., Gayan, S., Holden, C., Punchihewa, A., Stephens, M., & Drummond, P.

(2024). "Rapid and Resilient LoRa Leap: A Novel Multi-Hop Architecture for Decentralised Earthquake Early Warning Systems". Sensors, 24(18), 5960.

66. Pasindu M. Bolonghe, Dulmi T. Chathumini, Naduni Damsari Liyanage, Dilan Senuruk, Dileeka Dias, Kasun T. Hemachandra, Nipun Herath, Nayan G. Dharmaraj, "Virtual Reality Cycling: A Competitive and Low-Latency Exer-Gaming Environment", IEEE Gaming Entertainment and Media Conference (GEMS) 2025, Taiwan, July 2025.

67. Nayan Gokull Dharmaraj, Dileeka Dias, Kasun T. Hemachandra", Enabling Scalable, Privacy-Preserving Smart Pedestrian Crossings with CSI-Based Sensing on COTS Hardware", IEEE Intelligent Transport Systems Conference (ITSC) 2025, Gold Coast, Australia, October 2025.

68. M. Dissanayaka, V. Wakkumbura, D. Dias and K. T. Hemachandra, "Open5GFusion: Synergizing Open-Source 5G Platforms for Enhanced Network Flexibility and Research," 2026 IEEE Wireless Communications and Networking Conference (WCNC), Kuala Lumpur, Malaysia, 2026.

69. V. Kurrshanth, R. M. I. D. Pramuditha, R. Sairisan, L. G. S. Clarence, D. Dias and K. T. Hemachandra, "Open-Source 5G Testbed with Network Slicing: System Evaluation and Application Testing," 2026 IEEE Wireless Communications and Networking Conference (WCNC), Kuala Lumpur, Malaysia, 2026.

* Google Scholar Metric Top-20 conferences in respective categories

I confirm the accuracy of the above and all other documents submitted in connection with my nomination.

Name of Nominee: Dileeka Dias



Signature of Nominee:

Date: 3.9.2026