

# RESEARCH REPORT 2019



**MANUKAU  
INSTITUTE OF  
TECHNOLOGY**  
Te Whare Takiura o Manukau

# Annual Research Report for the Year 2019

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## Introduction

This research report presents the Manukau Institute of Technology's research outputs for 2019 in summary and detail. The outputs are organised according to the degree programme with which the author is associated. Authors not directly associated with a degree programme are listed under 'other'.

The detailed listing of all research outputs is organised into degree programmes. Where the output has multiple authors, it is listed separately under each author.

## Summary of Research Outputs 2019

The table below shows the total research outputs in 2019 associated with degree programmes. Outputs are sorted into two categories; quality assured publications and all other types of research outputs

Degree	Quality Assured	Other	Subtotal
Bachelor of Applied Counselling (BAC)	1	0	1
Bachelor of Applied Management (BAM)	3	4	7
Bachelor of Applied Social Work (BASW)	4	0	4
Bachelor of Digital Technologies (BDT)	42	7	49
Bachelor of Education (BEd)	1	9	10
Bachelor of Engineering Technology (BET)	12	0	12
Bachelor of Nursing (BN)	3	0	3
Bachelor of Sport and Exercise Science (BSES)	5	0	5
Other	1	0	1
<b>Totals</b>	<b>72</b>	<b>20</b>	<b>92</b>

## Research Outputs in Detail by Degree

### BACHELOR OF APPLIED COUNSELLING (BAC)

Author	Publication	Type	Quality Assured
Blackett, Joanne	Dickey, C., Donaldson. M., Grey, M., Blackett, J., Turner, F., Kihari, A., & Barclay, K. (2019). <i>Hobson's Choice</i> . Presented at The New Zealand Association for Research in Education Conference. The University of Auckland.	Conference paper	Y
Dickey, Cath	Dickey, C., Donaldson. M., Grey, M., Blackett, J., Turner, F., Kihari, A., & Barclay, K. (2019). <i>Hobson's Choice</i> . Presented at The New Zealand Association for Research in Education Conference. The University of Auckland.	Conference paper	Y
Dickey, Cath	Dickey, C., Donaldson. M., Grey, M., Blackett, J., Turner, F., Kihari, A., & Barclay, K. (2019). <i>Hobson's Choice</i> . Presented at The New Zealand Association for Research in Education Conference. The University of Auckland.	Conference paper	Y
Donaldson, Melanie	Dickey, C., Donaldson. M., Grey, M., Blackett, J., Turner, F., Kihari, A., & Barclay, K. (2019). <i>Hobson's Choice</i> . Presented at The New Zealand Association for Research in Education Conference. The University of Auckland.	Conference paper	Y
Kihara, Ai	Dickey, C., Donaldson. M., Grey, M., Blackett, J., Turner, F., Kihari, A., & Barclay, K. (2019). <i>Hobson's Choice</i> . Presented at The New Zealand Association for Research in Education Conference. The University of Auckland.	Conference paper	Y
Turner, Fia	Dickey, C., Donaldson. M., Grey, M., Blackett, J., Turner, F., Kihari, A., & Barclay, K. (2019). <i>Hobson's Choice</i> . Presented at The New Zealand Association for Research in Education Conference. The University of Auckland.	Conference paper	Y

## BACHELOR OF APPLIED MANAGEMENT (BAM)

Author	Publication	Type	Quality Assured
Gonuguntla, Satya	Gonuguntla, S. (2019). Potential Gains to New Zealand from CPTPP Membership. <i>Asian Business Research, Vol 4, NO 2</i> .	Journal article	Y
Horsley, Francesca	Horsley, F. (2019). Dance in the Tertiary Sector. <i>DANZ Magazine, 55, 5</i> .	Journal article	N
Horsley, Francesca	Horsley, F. (2019). Space beyond the Screen. <i>DANZ Magazine, 58, 14-16</i> .	Journal article	N
Horsley, Francesca	Horsley, F. (2019). Book Review - Te Ao Live. <i>DANZ Magazine, 56, 28</i> .	Journal article	N
Quilty, Terry	Vaivai, T., & Quilty, T. (2019). <i>The efficacy of business as usual management accounting reporting in supporting the adoption of project management methodologies in small commercial property developments</i> . Paper presented at the New Zealand Management Accounting Conference, 22 November 2019, University of Victoria, Wellington.	Conference paper	Y
Quilty, Terry	Quilty, T. (2019). <i>An analysis of the Charities and Solvency of UK and NZ databases for predictors of failure and retained surplus</i> . Presented at the annual research seminar of the School of Business, Manukau Institute of Technology.	Seminar presentation	N
Rajan, Suresh	Rajan, S. (2019). Exploring Social Media Dynamics: A Theoretical Approach. <i>Ajanta International Multidisciplinary Research Journal. Vol. VIII, Issue 1</i> . Jan-Mar 2019.	Journal article	Y
Vaivai, Tom	Vaivai, T., & Quilty, T. (2019). <i>The efficacy of business as usual management accounting reporting in supporting the adoption of project management methodologies in small commercial property developments</i> . Paper presented at the New Zealand Management Accounting Conference, 22 November 2019, University of Victoria, Wellington.	Conference paper	Y

## BACHELOR OF APPLIED SOCIAL WORK (BASW)

Author	Publication	Type	Quality Assured
Apulu, Melvin	Apulu, A., Hendrikse, N., & Petelo, F. (2019). <i>Faasinomaga, A Sense of calling – self-discovery for the identity of Samoan social workers</i> . Paper presented at the Workers in Schools Educate & Unlock Potential Conference. Manukau, New Zealand. Retrieved on 18 December 2019 from <a href="https://www.wiseup.org.nz/workshops">https://www.wiseup.org.nz/workshops</a> .	Conference paper	Y
Hendrikse, Niukini	Apulu, A., Hendrikse, N., & Petelo, F. (2019) <i>Faasinomaga, A Sense of calling – self-discovery for the identity of Samoan social workers</i> . Paper presented at the Workers in Schools Educate & Unlock Potential Conference. Manukau, New Zealand. Retrieved on 18 December 2019 from <a href="https://www.wiseup.org.nz/workshops">https://www.wiseup.org.nz/workshops</a> .	Conference paper	Y
Petelo, Fuatino	Apulu, A., Hendrikse, N., & Petelo, F. (2019). <i>Faasinomaga, A Sense of calling – self-discovery for the identity of Samoan social workers</i> . Paper presented at the Workers in Schools Educate & Unlock Potential Conference. Manukau, New Zealand. Retrieved on 18 December 2019 from <a href="https://www.wiseup.org.nz/workshops">https://www.wiseup.org.nz/workshops</a> .	Conference paper	Y
Pomare, Kam	Pomare, K. (2019). <i>Should there be space for cross cultural supervision frameworks in Aotearoa New Zealand and if so, why?</i> Paper presented at the Workers in Schools Educate & Unlock Potential Conference. Manukau, New Zealand. Retrieved on 18 December 2019 from <a href="https://www.wiseup.org.nz/workshops">https://www.wiseup.org.nz/workshops</a> .	Conference paper	Y
Wong, Melanie	Wong, M., & Whitburn, B. (2019). Reductive measurements of giftedness and twice-exceptionality: An analysis of education policy and associated documents from New Zealand and Australia. In T. McMenamin & A. Guerin (Eds) <i>Belonging: Rethinking inclusive practices to support well-being and identity</i> (pp. 75-94). Leiden, the Netherlands: Brill.	Book chapter	Y
Wong, Melanie	Wong, M. (2019). <i>Supporting learning in a holistic way: Addressing mental health and emotional needs of tertiary students</i> . Paper presented at The New Zealand Association Research for Education, University of Canterbury.	Conference paper	Y
Wong, Melanie	Wong, M. (2019). <i>Supporting gifted children: Taking mental and emotional needs into account</i> . Paper presented at The Inclusive Education Summit 2019, University of Auckland.	Conference paper	Y

## BACHELOR OF DIGITAL TECHNOLOGIES (BDT)

Author	Publication	Type	Quality Assured
Ahmad, Rizwan	Vala, I. & Rizwan, A. (2019). Designing and Improving the H-Shaped Microstrip Antenna for Better Data Transmission for Emergency Services. In proceedings of the 32 <sup>nd</sup> Computing and Information Technology Research and Education New Zealand conference (CITRENZ 2019), 9-11 Oct 2019, Nelson, New Zealand. <a href="https://www.citrenz.ac.nz/conferences/2019/pdf/2019CITRENZ_24_Vala_Microstrip.pdf">https://www.citrenz.ac.nz/conferences/2019/pdf/2019CITRENZ_24_Vala_Microstrip.pdf</a>	Conference paper	Y
Ahmad, Rizwan	Rizwan, A. (2019). Direct Adoption of ISO 30105-2 for Australia and New Zealand. Participated as nominated member by New Zealand in the standards building body IT-030.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). SC27 ISO 27035 for Australia and New Zealand. Participated as nominated member by New Zealand in the standards building body SC27.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). SC27 of ISO 27031 for Australia and New Zealand. Participated as nominated Co-Editor by New Zealand in the standards building body SC27.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). SC27 of ISO 27001 for Australia and New Zealand. Participated as nominated member by New Zealand in the standards building body IT-030.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). Contributions to ISO/IEC 20547-4 big data privacy and security fabric. Contributed for the development of ISO Standard.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). Contributions to ISO/IEC 27008 from New Zealand. Contributed for the development of ISO Standard.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). Contributions Information Security Management - Guidelines for Cyber Security Insurance in conjunction with IT-030. Contributed for the development of ISO Standard.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). SC27-Workgroup 5 Privacy by design for consumer goods and services. Contributed for the development of ISO Standard.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). Guidelines for Security and Privacy in Internet of Things. Contributed for the development of ISO Standard.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). ISO/IEC 4th WD 20547-4, Information Technology – Big data reference architecture – Part 4: Security and privacy. Contributed for the development of ISO Standard.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). ToR impact of AI on data privacy. Contributed for the development of ISO Standard.	ISO Standard	Y

Author	Publication	Type	Quality Assured
Ahmad, Rizwan	Rizwan, A. (2019). Information technology – Online privacy notices and consent 29184. Contributed for the development of ISO Standard.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). IT Governance 38500. Contributed for the development of ISO Standard.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). ISO 20000-3: 2019. Contributed for the development of ISO Standard.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). AS/NZS ISO/IEC 20000.2. Contributed for the development of Standards New Zealand.	Standards New Zealand	Y
Ahmad, Rizwan	Rizwan, A. (2019). ISO 37500. Contributed for the development of ISO Standard.	ISO Standard	Y
Ahmad, Rizwan	Rizwan, A. (2019). ISO/IEC 27701:2019. Contributed for the development of ISO Standard.	ISO Standard	Y
Andrews, Michael	Herradura, R.M., Thabtah, F. & Andrews, M. (2019). Trend Analyses for Blockchain Technology Innovations using Data Analytics. Proceedings of the 2019 3rd International Symposium on Computer, Science and Intelligent Control, Rome, September 2019. pp 1-6, <a href="https://doi.org/10.1145/3386164.3390518">https://doi.org/10.1145/3386164.3390518</a>	Journal article	Y
Al-Ali, Firas	Gamage, T., Yakkara, H., Bhaskar, R., & Al-Ali, F., (2019, February). <i>Comprehensive Survey of FPGA Architectures: Past, Present and Future</i> . Paper presented at the 529 <sup>th</sup> International Academic Conference on Engineering, Technology and Innovations (IACETI). 05th - 06th Feb 2019. Auckland, New Zealand.	Conference paper	N
Al-Ali, Firas	Al-Ali, F., Yakkara, H., Gamage, T., Mehdipour, F., (2019, May). The FPGA AI Race (FAR): MDH and NZ Research Collaboration. Paper presented at a seminar at Malardalen University, Vasteras, Sweden.	Seminar	N
Al-Ali, Firas	Al-Ali, F., Yakkara, H., Gamage, T., Mehdipour, F., (2019, June). Preliminary Report on BNN (Binarized Neural Networks) Results. A technical report submitted to Malardalen University, Vasteras, Sweden.	Technical report	N
Al-Ali, Firas	Al-Ali, F., Yakkara, H., Gamage, T., Mehdipour, F., (2019, August). Report on AlexNet Convolutional Neural Network Implementation on PYNQ-Z1 Development Board, A technical report submitted to Malardalen University, Vasteras, Sweden.	Technical report	N
Al-Ali, Firas	Al-Ali, F., Gamage, T., Nanayakkara, H., Mehdipour, F., & Ray, S. (2019, October). <i>Benchmarking a Machine Vision Image Classifier Implementation on FPGA Using Binarized Neural Networks</i> . Conference proceedings of the Computing and Information Technology Research and Education New Zealand (CITREnz), Nelson, pp. 9-11 Oct. <a href="https://www.citrenz.ac.nz/conferences/2019/pdf/2019CITREnz_1j_Firas_Machine.pdf">https://www.citrenz.ac.nz/conferences/2019/pdf/2019CITREnz_1j_Firas_Machine.pdf</a>	Conference proceedings	Y



Author	Publication	Type	Quality Assured
Al-Ali, Firas	Al-Ali, F., Nanayakkara, H., Gamage, T., Mehdipour, F., & Ray, S. (2019, November). <i>Supercomputer Networks in the Datacenter: Benchmarking the Evolution of Communication Granularity from Macroscale down to Nanoscale</i> . Proceedings of the 29 <sup>th</sup> International Communications Networks and Applications Conference (IEEE ITNAC), Auckland, pp. 206-211. <a href="https://itnac.org.au/sites/default/files/2019/program.pdf">https://itnac.org.au/sites/default/files/2019/program.pdf</a>	Conference paper	Y
Al-Ali, Firas	Mehdipour, F., Gamage, T., Yakkara, H., & Al-Ali, F. (2019, December). <i>Boosting Computing-Intensive AI</i> , Presented at the Global AI Bootcamp, Auckland University of Technology, Auckland.	Seminar	N
Al-Ali, Firas	Al-Ali, F., Mann, S., & Mehdipour, F. (2019, December). <i>Developing a Spiritual Framework for Computing Academic Practice: From Conventional Processors and AI to Quantum and Spiritual Computing</i> , Otago Polytechnic Professional Practice Symposium (Praxis 2019) Proceedings, Auckland International Campus, Auckland	Symposium	Y
Calder, John	Calder J. (2019) <i>XMRemoteRobot v2.2</i> [Ongoing Software Development]. Retrieved from: <a href="https://github.com/manukautech/XMRemoteRobot">https://github.com/manukautech/XMRemoteRobot</a>	Open source software	N
Calder, John	Calder J. (2019). <i>XMRemoteMonitor</i> [Software Development] Retrieved from: <a href="https://github.com/manukautech/XMRemoteMonitor">https://github.com/manukautech/XMRemoteMonitor</a>	Open source software	N
Fayez, Fadi	Town, P., & Thabtah, F. (2019). Data Analytics Tools: A User Perspective. <i>Journal of Information and Knowledge Management</i> . 1950002, World Scientific.	Journal article	Y
Fayez, Fadi	Thabtah F., Zhang L., & Abdelhamid, & N. (2019). NBA Game Result Prediction using Feature Analysis and Machine Learning. <i>Annals of Data Science</i> , <a href="https://doi.org/10.1007/s40745-018-00189-x">https://doi.org/10.1007/s40745-018-00189-x</a> .	Journal article	Y
Fayez, Fadi	Thabtah F., & Peebles D. (2019). A new machine learning model based on induction of rules for autism detection. <i>Health Informatics Journal</i> , 1460458218824711.	Journal article	Y
Fayez, Fadi	Thabtah, F., Abdelhamid, N., & Peebles, D. (2019). A machine learning autism classification based on logistic regression analysis. <i>Health information science and systems</i> , 7 (1), 12.	Journal article	Y
Fayez, Fadi	Gramaje, A., Thabtah, F., Abdelhamid, N., & Ray, S. K. (2019). Patient Discharge Classification Using Machine Learning Techniques. <i>Annals of Data Science</i> , 1-13.	Journal article	Y
Fayez, Fadi	Thabtah F. (2019). An Accessible and Efficient Autism Screening Method for Behavioural Data and Predictive Analyses. <i>Health Informatics Journal</i> . 19:1460458218796636. DOI:10.1177/1460458218796636. 2018	Journal article	Y
Fayez, Fadi	Bailey, T., Thabtah, F., Wright, M., & Tran, D. A. (2019). FoodKnight: A mobile educational game and analyses of obesity awareness in children. <i>Health Informatics Journal</i> . <a href="https://doi.org/10.1177/1460458219888405">https://doi.org/10.1177/1460458219888405</a>	Journal article	Y

Author	Publication	Type	Quality Assured
Fayez, Fadi	Kapadia, K., Abdel-Jaber, H., Thabtah, F., & Hadi W. (2019). Sport analytics for cricket game results using machine learning: An experimental study. <i>Applied Computing and Informatics Journal</i> . <a href="https://doi.org/10.1016/j.aci.2019.11.006">https://doi.org/10.1016/j.aci.2019.11.006</a>	Journal article	Y
Fayez, Fadi	Thakre, A., Thabtah, F., Shahamiri, S. R., & Hammoud, S. (2019). A Novel Block Chain Technology Publication Model Proposal. <i>Applied Computing and Informatics Journal</i> . <a href="https://doi.org/10.1016/j.aci.2019.10.003">https://doi.org/10.1016/j.aci.2019.10.003</a>	Journal article	Y
Fayez, Fadi	Gonsalves, A. H., Thabtah, F., Mohammad, R.M.A., & Singh, G. (2019). <i>Prediction of Coronary Heart Disease using Machine Learning: An Experimental Analysis</i> . ICDLT 2019: Proceedings of the 2019 3 <sup>rd</sup> International Conference on Deep Learning Technologies July 2019 Pages 51–56, <a href="https://doi.org/10.1145/3342999.3343015">https://doi.org/10.1145/3342999.3343015</a>	Conference proceedings	Y
Fayez, Fadi	Cherrington, M., Lu, J., Airehrour, D., Thabtah, F., Xu, Q., & Madanian, S. (2019). Particle Swarm Optimization for Feature Selection: A Review of Filter-based Classification to Identify Challenges and Opportunities. in proc. of IEEE IEMCON, pp. 0523-0529. Vancouver, Canada.	Conference proceedings	Y
Fayez, Fadi	Cherrington, M., Thabtah, F., Lu, J., & Xu, Q. (2019). Feature Selection: Filter Methods Performance Challenges. IEEE 2019 International Conference on Computer and Information Sciences (ICCIS), 1-4. Aljouf, KSA. April 2019.	Conference proceedings	Y
Hossain, Akbar	Hossain, M. A., & Sarkar, N. I. (2019). CCH: a clique based asymmetric rendezvous scheme for cognitive radio ad-hoc networks. <i>Wireless Networks</i> , 1-10. <a href="https://doi.org/10.1007/s11276-019-01944-5">https://doi.org/10.1007/s11276-019-01944-5</a> .	Journal article	Y
Hossain, Akbar	Hossain, A., Kumar, S., & Shahmiri, S. R. (2019, November). A Context-Aware and Technology-Assisted Informal Caregiver Selection Method to support Medical Emergency. Published in <i>2019 29<sup>th</sup> International Telecommunication Networks and Applications Conference (ITNAC)</i> , Auckland, New Zealand, pp. 1-6, DOI:10.1109/ITNAC46935.2019.9077991.	Conference paper	Y
Hossain, Akbar	Nayak, S., Hossain, M. A., Mirza, F., Naeem, M. A., & Jamil, N. (2019). E-BRACE: A Secure Electronic Health Record Access Method in Medical Emergency. In I. S. Bajwa, F. Kamareddine, & A. Costa (Eds.), <i>Intelligent Technologies and Applications</i> (pp. 16-27), Springer, Singapore.	Conference proceedings	Y
Ray, Sayan	Gramaje, A., Thabtah, F., Abdelhamid, N., & Ray, S. K. (2019). Patient Discharge Classification using Machine Learning Techniques, in <i>Annals of Data Science</i> (Springer), June 2019, DOI:10.1007/s40745-019-00223-6	Journal article	Y
Ray, Sayan	Airehrour, D., Gutierrez, J., & Ray, S. K. (2019). "SecTrust-RPL: A Secure Trust-Aware RPL Routing Protocol for Internet of Things. <i>Future Generation Computer Systems (FGCS)</i> , Vol. 93, Apr 2019, pp. 860-876, <a href="https://doi.org/10.1016/j.future.2018.03.021">https://doi.org/10.1016/j.future.2018.03.021</a>	Journal article	Y

Author	Publication	Type	Quality Assured
Ray, Sayan	Kamruzzaman, M., Sarkar, N. I., Gutierrez, J., & Ray, S. K. (2019). <i>A Mode Selection Algorithm for Mitigating Interference in D2D Enabled Next-Generation Heterogeneous Cellular Networks</i> , in Proceedings. of the 33 <sup>rd</sup> International Conference on Information Networking (ICOIN 2019), 9-11 Jan 2019, Kuala Lumpur, Malaysia.	Conference paper	Y
Ray, Sayan	Al-Ali, F., Gamage, T., Nanayakkara, H., Mehdipour, F., & Ray, S. (2019, October). <i>Benchmarking a Machine Vision Image Classifier Implementation on FPGA Using Binarized Neural Networks</i> . Conference proceedings of the Computing and Informaiton Technology Research and Education New Zealand (CITRENZ), Nelson, pp. 9-11 Oct. <a href="https://www.citrenz.ac.nz/conferences/2019/pdf/2019CITRENZ_1j_Firas_Machine.pdf">https://www.citrenz.ac.nz/conferences/2019/pdf/2019CITRENZ_1j_Firas_Machine.pdf</a>	Conference proceedings	Y
Ray, Sayan	Al-Ali, F., Nanayakkara, H., Gamage, T., Mehdipour, F., & Ray, S. (2019, November). <i>Supercomputer Networks in the Datacenter: Benchmarking the Evolution of Communication Granularity from Macroscale down to Nanoscale</i> . In proceedings of the 29 <sup>th</sup> International Communications Networks and Applications Conference (ITNAC 2019), 27-29 Nov 2019, Auckland, pp. 206-211. <a href="https://itnac.org.au/sites/default/files/2019/program.pdf">https://itnac.org.au/sites/default/files/2019/program.pdf</a>	Conference paper	Y
Ray, Sayan	Hossain, A., Ray, S. K., Shahamiri, S. R., (2019). <i>A Context-Aware and Technology-Assisted Informal Caregiver Selection Method to support Medical Emergency</i> . In proc of 29th International Telecommunication Networks and Applications Conference (ITNAC). pp 1-6. Auckland, New Zealand. doi: 10.1109/ITNAC46935.2019.9077991	Conference paper	Y
Ridha, Samah	Ridha, S. & Senapathi, M. (2019). Requirements Engineering in Cloud and Service Oriented Systems: A Systematic Mapping Study. Paper presented at the International Conference on Intelligent Computing Systems and Data Analytics Applications (ICSDA), Jordan, 01 December 2019. <a href="https://icsdaa.com/ICSDA2019/program/">https://icsdaa.com/ICSDA2019/program/</a>	Conference paper	Y
Shahamiri, Reza	Hossain, A., Ray, S. K., Shahamiri, S. R., (2019). <i>A Context-Aware and Technology-Assisted Informal Caregiver Selection Method to support Medical Emergency</i> . In proc of 29th International Telecommunication Networks and Applications Conference (ITNAC). pp 1-6. Auckland, New Zealand. doi: 10.1109/ITNAC46935.2019.9077991	Conference paper	Y
Singh, Garry	Gonsalves, A. H., Thabtah, F., Mohammad, R.M.A., & Singh, G. (2019). <i>Prediction of Coronary Heart Disease using Machine Learning: An Experimental Analysis</i> . ICDLT 2019: Proceedings of the 2019 3 <sup>rd</sup> International Conference on Deep Learning Technologies July 2019 pp 51–56, <a href="https://doi.org/10.1145/3342999.3343015">https://doi.org/10.1145/3342999.3343015</a>	Conference paper	Y

## BACHELOR OF EDUCATION (BEd)

Author	Publication	Type	Quality Assured
Kung, Susie	Kung, S. (2019). <i>Education in times of change: A response to the transitional digital environment in tertiary teaching</i> . Paper presented at the MIT School of Education Research Symposium, Auckland.	Symposium	N
Kung, Susie	Probine, S., Kung, S., and Malcolm, J. (2019). <i>Finding relational pedagogy in a blended environment</i> . Paper presented at the School of Education Research Symposium, 19 September, 2019, Manukau Institute of Technology, Auckland New Zealand	Symposium	N
Malcolm, Janet	Probine, S., Kung, S., and Malcolm, J. (2019). <i>Finding relational pedagogy in a blended environment</i> . Paper presented at the School of Education Research Symposium, 19 September, 2019, Manukau Institute of Technology, Auckland, New Zealand.	Symposium	N
Mauigoa-Tekene, Lila	Mauigoa-Tekene, L. (2019). <i>Pacific perspectives on special needs: Ole tofā fa'asoa i tamaiti e iai o latou manaoga fa'apitoa</i> . Keynote speaker for Teacher Refresher Course Committee. April, 2019.	Keynote	N
Mauigoa-Tekene, Lila	Mauigoa-Tekene, L. (2019). <i>Fatu sou titi mo se lumana'i taua. Tofasaili: Fatugatiti</i> . Paper presented at National University of Samoa. October, 2019.	Symposium	N
Moeke, Mary	Moeke, M. (2019). <i>Manawa ki te Manawa. Cutting edge intelligence and augmented realities</i> . Paper presented at the School of Arts and Education Research Symposium, Manukau Institute of Technology, Auckland.	Symposium	N
Perry, Jo	Perry, A.J. (2019). <i>Can I Flip My Classroom Using Mobile Learning through 'WhatsApp' and 'Messages?'</i> Paper presented at the School of Arts and Education Research Symposium.	Symposium	N
Perry, Jo	Matiseni-Sua, L., Reinink, W., & Perry, A.J. (2019). <i>Taking the ECE Level 4 Certificate On-Line: Three People, One Story</i> . Paper presented at the School of Arts and Education Research Symposium.	Symposium	N
Perry, Jo	Perry, A.J. (2019). <i>"It's Reflection Jim, But Not as We Know It." Exploring Auto-Ethnographic Approaches in Guided Journaling</i> . Paper presented at the School of Arts and Education Research Symposium.	Symposium	N
Probine, Sarah	Probine, S., Kung, S., and Malcolm, J. (2019). <i>Finding relational pedagogy in a blended environment</i> . Paper presented at the School of Education Research Symposium, 19 September, 2019, Manukau Institute of Technology, Auckland , New Zealand	Symposium	N
Probine, Sarah	Probine, S. (2019). <i>"I need to make a ghostbuster": Contextual influences on how young children learn through the visual arts</i> . Presentation for the 8 <sup>th</sup> International art in early childhood conference. Wellington, New Zealand.	Conference presentation	Y

Author	Publication	Type	Quality Assured
Probine, Sarah	Probine, S. (2019). <i>Renegotiating the 'in-between': Innovative interpretations of sociocultural theories in early childhood visual arts practices</i> . Presentation for the Manukau Institute of Technology research symposium Auckland, New Zealand.	Symposium	N

## BACHELOR OF ENGINEERING TECHNOLOGY (BET)

Author	Publication	Type	Quality Assured
Aslam, Saad	Aslam, S., Alam, F., Hasan, S. F., & Rashid, M. (2019). <i>Performance Analysis of Clustering Algorithms for Content-Sharing Based D2D Enabled 5G Networks</i> , In proceedings of the 29 <sup>th</sup> International Telecommunication Networks and Applications Conference (ITNAC), Auckland, New Zealand, 27-29 Nov. 2019.	Conference proceedings	Y
Aslam, Saad	Aslam, S., Alam, F., Hasan, S. F., & Rashid, M. (2019). <i>Decentralized Interference Mitigation Technique for D2D Networks Using Game Theory Optimization</i> , In proceedings of the 29 <sup>th</sup> International Telecommunication Networks and Applications Conference (ITNAC), Auckland, New Zealand, 27-29 Nov. 2019.	Conference paper	Y
Majeed, Mohammed K.	He, M., Liu, M., Wang, R., Jiang, X., Liu, B., & Zhou, H. (2019). Particle swarm optimization with damping factor and cooperative mechanism. <i>Applied Soft Computing</i> , Vol. 76, pp. 45-52.	Journal article	Y
Majeed, Mohammed K.	Majeed, M. K. (2019). <i>Evaluating the potential for a multi-use seasonal pumped storage scheme in New Zealand's South Island</i> . (Thesis, Doctor of Philosophy (PhD)). The University of Waikato, Hamilton, New Zealand. Retrieved from <a href="https://hdl.handle.net/10289/12423">https://hdl.handle.net/10289/12423</a>	PhD thesis	Y
Majeed, Mohammed K.	Majeed, M. K. (2019), <i>Possibility of pumped hydro storage using Lakes Hawea and Wanaka in Central Otago</i> . NZHS Annual Conference, Rotorua, pg 208.	Conference paper	Y
Nieuwoudt, Pieter	Rehman, A. U., Tito, S. R., Nieuwoudt, P., Imran, G., Ahmed, W., Lie, T. T., & Valles, B. (2019). <i>Applications of Non-Intrusive Load Monitoring Towards Smart and Sustainable Power Grids: A System Perspective</i> . In proceedings of the 29 <sup>th</sup> Australasian Universities Power Engineering Conference (AUPEC), 26-29 Nov 2019. <a href="https://ieeexplore.ieee.org/document/9084597">https://ieeexplore.ieee.org/document/9084597</a>	Conference proceedings	Y
Soltic, Snjezana	Soltic, S., & Chalmers, A. N. (26 July 2019). Artificial Intelligence in Light-Source Design IntechOpen, <a href="https://DOI.org/10.5772/intechopen.88094">https://DOI.org/10.5772/intechopen.88094</a> .	Book chapter	Y
Soltic, Snjezana	Soltic, S., & Chalmers, A. N. (2019). Optimization of LED Lighting for Clinical Settings," <i>Journal of Healthcare Engineering</i> , vol. 2019, Article ID 5016013, 8 pages. <a href="https://doi.org/10.1155/2019/5016013">https://doi.org/10.1155/2019/5016013</a> .	Journal article	Y
Tito, Shafiqur R.	Rehman, A. U., Lie, T.T., Valles, B. & Tito, S. R. (2019). Event-Detection Algorithms for Low Sampling Non-Intrusive Load Monitoring Systems based on Low Complexity Statistical Features, <i>IEEE Transaction on Instrumentation and Measurement</i> , PP2-9, <a href="https://doi.org/10.1109/TIM.2019.2904351">https://doi.org/10.1109/TIM.2019.2904351</a>	Journal article	Y
Tito, Shafiqur R.	Rehman, A. U., Lie, T.T., Valles, B. & Tito, S. R. (2019). <i>Low Complexity Non-Intrusive Load Disaggregation of Air Conditioning Unit and Electric Vehicle Charging</i> . Published in proceedings 2019 IEEE Innovative Smart Grid Technologies-Asia (ISGT Asia), pp. 2607-2612. . <a href="https://doi.org/10.1109/ISGT-Asia.2019.8881113">https://doi.org/10.1109/ISGT-Asia.2019.8881113</a>	Conference proceedings	Y

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Tito, Shafiqur R.	Rehman, A. U., Tito, S. R., Nieuwoudt, P., Imran, G., Ahmed, W., Lie, T. T., & Valles, B. (2019). <i>Applications of Non-Intrusive Load Monitoring Towards Smart and Sustainable Power Grids: A System Perspective</i> . In proceedings of the 29 <sup>th</sup> Australasian Universities Power Engineering Conference (AUPEC), 26-29 Nov 2019. <a href="https://ieeexplore.ieee.org/document/9084597">https://ieeexplore.ieee.org/document/9084597</a>	Conference proceedings	Y
Vuong, Thomas	Vuong, Tung Xuan, Li, Willow Yangliu, Al-Jumaily, Ahmed, and Pandey, Neel. An Investigation Into Structural-Induced Noise in an Electric Motor. <i>In proceedings of the ASME 2019 International Mechanical Engineering Congress and Exposition. Volume 11: Acoustics, Vibration, and Phononics</i> . Salt Lake City, Utah, USA. November 11–14, 2019. V011T01A002. ASME. <a href="https://doi.org/10.1115/IMECE2019-10197">https://doi.org/10.1115/IMECE2019-10197</a>	Conference paper	Y

## BACHELOR OF NURSING (BN)

Author	Publication	Type	Quality Assured
Jauny, Ray	Jauny, R., Neville, S., Montayre, J., & Wright-St Clair, V. (2019, November). <i>The lived experiences of older migrants with mild cognitive impairment in New Zealand: Preliminary findings</i> . Paper presented at Waikato University postgraduate conference. <a href="https://events.waikato.ac.nz/events/alpssgrad-2019-graduate-and-postgraduate-conference">https://events.waikato.ac.nz/events/alpssgrad-2019-graduate-and-postgraduate-conference</a> , and HOI Foundation. <a href="http://www.indigenousresearchconference.ac.nz/">http://www.indigenousresearchconference.ac.nz/</a>	Conference paper	Y
Solomon, Bernadette	Solomon, B., Sutton, D., & McKenna, B. (2019). <i>The experience &amp; meaning of recovery-oriented practice for nurses working in acute mental health settings : A Hermeneutic Phenomenological study</i> . Poster presentation presented at the Australian Rural & Remote Mental Health Symposium.	Poster presentation	Y
Solomon, Bernadette	Solomon, B. (2019). <i>The experience &amp; meaning of recovery-oriented practice for nurses working in acute mental health settings: A Hermeneutic Phenomenological study</i> . A thesis towards the Doctor of Health Science from the Auckland University of Technology, <a href="http://hdl.handle.net/10292/12611">http://hdl.handle.net/10292/12611</a>	PhD thesis	Y



## BACHELOR OF SPORT AND EXERCISE SCIENCE (BSES)

Author	Publication	Type	Quality Assured
McGrath, Joey	McGrath, J. W., Neville, J., Stewart, T., & Cronin, J. (2019). Cricket fast bowling detection in a training setting using an inertial measurement unit and machine learning. <i>Journal of sports sciences</i> , 37(11), 1220-1226.	Journal article	Y
Parkin, Daryl	Parkin, D. (2019). <i>The Lived Experiences of Student Representatives in a New Zealand Institute of Technology and Polytechnic: A Critical Examination</i> . A thesis towards the Masdter of Educational Leadership at the Auckland University of Technology, <a href="http://hdl.handle.net/10292/12997">http://hdl.handle.net/10292/12997</a>	Masters thesis	Y
Reynolds, Ben	Reynolds, B., Whatman, C., Brughelli, M., Ellis, R., & Allen, S. (2019). The acute effects of eccentric exercise on indicators of hamstring muscle damage. <i>New Zealand Journal of Sports Medicine</i> , 46(2), 63-73.	Journal article	Y
Sequeira, Graeme	Rogers, E. S., Sasidharan, R., Sequeira, G. M., Wood, M. R., Bird, S. P., Keogh, J. W., ... & MacLeod, R. D. (2019). A randomised feasibility study investigating the use of EPA and Cox-2 inhibitor (Celecoxib) versus EPA, Cox-2 inhibitor (Celecoxib), progressive resistance training followed by ingestion of essential amino acids high in leucine in NSCLC cachectic patients-The ACCeRT study. <i>JCSM Rapid Communications</i> , 2(2).	Journal article	Y
Serrano, Fran	Serrano, F. (2019). <i>Team management structure provides a cultural framework that drives performance in New Zealand rugby</i> . 3 <sup>rd</sup> World Association for Sports Management World Conference. Santiago, Chile 16-19 October 2019	Conference presentation	Y

## OTHER

Author	Publication	Type	Quality Assured
Shaw, Robert	Shaw, R. G. (2019). <i>Developing the Constellation Unmanned Surface Vehicle Prototype</i> , International Conference on Design and Construction of Super and Mega Yachts, Genoa, Italy, 14-15 May 2019.	Conference paper	Y