

Manoj THULASIDAS

School of Computing and Information Systems
Singapore Management University (SMU)
80 Stamford Road
Singapore 178902

Email: manojt@smu.edu.sg
Office Phone: +65 68289625



Education

PhD, Syracuse University, United States of America, 1993
Bachelor of Technology, Indian Institute of Technology, Mandras, India, 1987

Academic Appointments

Associate Professor of Information Systems (Education), School of Computing and Information Systems, SMU, Dec 2016 - Present
Lead Scientist, Institute for Infocomm Research, A*STAR, Singapore, Singapore, Aug 1998 - Sep 2005
Research Scientist, CNRS, France, CERN, Switzerland, Sep 1993 - Jul 1998
Research Assistant, Cornell University, Ithaca, Syracuse University, Syracuse, United States of America, May 1988 - Aug 1993
Teaching Assistant, Syracuse University, Syracuse, United States of America, Aug 1987 - Apr 1988

Academic Administrative Positions

Coordinator, BSc (IS) Business Analytics Track, School of Computing and Information Systems, SMU, Jan 2020 - Present
Director, BSc (Computing & Law) Programme, School of Computing and Information Systems, SMU, Jul 2019 - Dec 2019

Other Positions and Affiliations

Co-founder, Non-executive director, Briology Pte Ltd, Singapore, Jan 2016 - May 2017
Founder, Owner, Analytics SME, Singapore, Mar 2016 - Nov 2016
Associate Director, Standard Chartered Bank, Singapore, Oct 2007 - Jul 2013
Vice President, OCBC Bank, Singapore, Oct 2005 - Sep 2007

Awards and Honors

Malta. Best paper award at MEDSIP04, Malta, MEDSIP04, 2004

CPPM, Marseilles, France. Chosen by the French National Center for Scientific Research (CNRS) following an open nation wide competition, CNRS, 1995

Syracuse University, USA. Graduate Assistantship and Tuition Scholarship, Syracuse University, 1987

India. Ranked 63rd (out of about 75,000) in India in JEE for IITs, Joint Admission Board, 1983

Trivandrum, India. Ranked 3rd in the state of Kerala, India in the Engineering Entrance Exam (out of about 10,000 students), Kerala Board of Examinations, 1982

RESEARCH

Research and Project Areas

Data Management & Analytics

Analytics Algorithms and Quality Metrics

Analytics Applications in Corporate Wellness

Business Decision Making and Analytics

Trading Systems and Lifecycle Management

Publications

Journal Articles [Refereed]

Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP, by SCHAEEL, S.; BARATE, R.; BRUNELIRE, R.; BUSKULIC, D.; DE BONIS, I.; et al.. (2013). *Physics Reports*, 532 (4), 119-244. (Published)

Perceptual effects in relativity and astrophysics, by THULASIDAS, Manoj. (2009). *Physics Essays*, 22 (4), 517-533. <http://doi.org/10.4006/1.3230499> (Published)

Are radio sources and gamma ray bursts luminal booms?, by THULASIDAS, Manoj. (2007). *International Journal of Modern Physics D*, 16 (6), 983-1000. <http://doi.org/10.1142/S0218271807010559> (Published)

Temporal classification of multichannel near-infrared spectroscopy signals of motor imagery for developing a brain-computer interface, by Sitaram, R.; Zhang, H.; Guan, C.; Thulasidas, M.; Hoshi, Y.; Ishikawa, A.; Shimizu, K.; Birbaumer, N.. (2007). *NeuroImage*, 34 (4), 1416-1427. <http://doi.org/10.1016/j.neuroimage.2006.11.005> (Published)

The philosophy of special relativity: A comparison between Indian and Western interpretations, by THULASIDAS, Manoj. (2007). *Omega: Indian Journal of Science and Religion*, 6 (2), 138-150. (Published)

Robust classification of EEG signal for brain-computer interface, by THULASIDAS, Manoj; GUAN, Cuntai; WU, Jiankang. (2006). *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, 14 (1), 24-29. <http://doi.org/10.1109/TNSRE.2005.862695> (Published)

Monitoring the stability of the ALEPH vertex detector, by SGUAZZONI, G.; CREANZA, D.; DE PALMA, M.; MAGGI, G.; RASO, G.. (1999). *Nuclear Physics B - Proceedings Supplements*, 78 301-306. (Published)

Measurement of the hadronic photon structure function at LEP 1 for Q² values between 9.9 and 284 GeV², by BARATE, R.; et al.. (1999). *Physics Letters B*, 458 (1), 152-166. (Published)

Determination of the LEP centre-of-mass energy from Z events, by BARATE, R.; DECAMP, D.; GHEZ, P.; GOY, C.; JEZEQUEL, S.; et al.. (1999). *Physics Letters B*, 464 (3-4), 339-349. (Published)

Measurement of the W mass in e⁺e⁻ collisions at 183 GeV, by BARATE, R.; et al.. (1999). *Physics Letters B*, 453 (1-2), 121-137. (Published)

- Search for charged Higgs bosons in e^+e^- collisions at $s = 181-184$ GeV, by BARATE, R.; et al.. (1999). *Physics Letters B*, 450 (4), 467-478. (Published)
- Search for invisible Higgs boson decays in e^+e^- collisions at centre-of-mass energies up to 184 GeV, by BARATE, R.; DECAMP, D.; GHEZ, P.; GOY, C.; JEZEQUEL, S.; et al.. (1999). *Physics Letters B*, 450 (1-3), 301-312. (Published)
- Search for the standard model Higgs boson at the LEP2 Collider near $s = 183$ GeV, by BARATE, R.; et al.. (1999). *Physics Letters B*, 447 (3-4), 336-351. (Published)
- Measurement of W -pair production in e^+e^- collisions at 183 GeV, by BARATE, R.; DECAMP, D.; GHEZ, P.; GOY, C.; JEZEQUEL, S.; et al.. (1999). *Physics Letters B*, 453 (1-2), 107-120. (Published)
- Analysis of transverse momentum correlations in hadronic Z decays, by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1999). *Physics Letters B*, 447 (1-2), 183-198. (Published)
- A study of single W production in e^+e^- collisions at $s = 161-183$ GeV, by BARATE, R.; DECAMP, D.; GHEZ, P.; GOY, C.; JEZEQUEL, S.; et al.. (1999). *Physics Letters B*, 462 (3-4), 389-400. (Published)
- Measurement of triple gauge WW couplings at LEP2 using photonic events, by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1998). *Physics Letters B*, 445 (1-2), 239-248. (Published)
- Searches for the neutral Higgs bosons of the MSSM in e^+e^- collisions at centre-of-mass energies of 181-184 GeV, by BARATE, R.; et al.. (1998). *Physics Letters B*, 440 (3-4), 419-434. (Published)
- Study of D^0 - D^0 mixing and D^0 doubly Cabibbo-suppressed decays, by BARATE, R.; et al.. (1998). *Physics Letters B*, 436 (1-2), 211-221. (Published)
- The forward-backward asymmetry for charm quarks at the Z , by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1998). *Physics Letters B*, 434 (3-4), 415-425. (Published)
- A measurement of the gluon splitting rate into bb pairs in hadronic Z decays, by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1998). *Physics Letters B*, 434 (3-4), 437-450. (Published)
- Scalar quark searches in e^+e^- collisions at $s = 181 - 184$ GeV, by BARATE, R.; et al.. (1998). *Physics Letters B*, 434 (1-2), 189-199. (Published)
- Search for sleptons in e^+e^- collisions at centre-of-mass energies up to 184 GeV ALEPH Collaboration, by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1998). *Physics Letters B*, 433 (1-2), 176-194. (Published)
- A measurement of the inclusive $b \rightarrow s$ branching ratio, by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1998). *Physics Letters B*, 429 (1-2), 169-187. (Published)
- The new ALEPH Silicon Vertex Detector, by CREANZA, D. et al.. (1998). *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 409 (1-3), 157-160. [http://doi.org/10.1016/S0168-9002\(97\)91255-9](http://doi.org/10.1016/S0168-9002(97)91255-9) (Published)
- Resonant structure and flavour tagging in the B system using fully reconstructed B decays, by BARATE, R.; et al.. (1998). *Physics Letters B*, 425 (1-2), 215-226. (Published)
- Measurement of the W mass by direct reconstruction in e^+e^- collisions at 172 GeV, by BARATE, R.; et al.. (1998). *Physics Letters B*, 422 (1-4), 384-398. (Published)
- Measurement of triple gauge-boson couplings at 172 GeV, by BARATE, R.; et al. (1998). *Physics Letters B*, 422 (1-4), 369-383. (Published)
- Four-jet final state production in e^+e^- collisions at centre-of-mass energies ranging from 130 to 184 GeV, by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1998). *Physics Letters B*, 420 (1-2), 196-204. (Published)
- Construction and performance of the new ALEPH vertex detector, by CREANZA, D.; DE PALMA, M.; GIRONE, M.; MAGGI, G.; SELVAGGI, G.; et al.. (1998). *Nuclear Physics B - Proceedings Supplements*, 61 201-206. (Published)
- Studies of quantum chromodynamics with the ALEPH detector, by BARATE, R.; et al.. (1998). *Physics Reports*, 294 (1-3), 1-165. (Published)

- Updated measurement of the lepton lifetime, by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1997). *Physics Letters B*, 414 (3-4), 362-372. (Published)
- Searches for scalar top and scalar bottom quarks at LEP2, by BARATE, R.; et al.. (1997). *Physics Letters B*, 413 (3-4), 431-446. (Published)
- Search for the Standard Model Higgs boson in e+e- collisions at s = 161, 170 and 172 GeV, by BARATE, R.; et al.. (1997). *Physics Letters B*, 412 (1-2), 155-172. (Published)
- Inclusive decays B->DX and B->D*X, by GIBBONS, L. et al.. (1997). *Physical Review D, Particles and fields*, 56 (7), 3783-3802. <http://doi.org/10.1103/PhysRevD.56.3783> (Published)
- Search for sleptons in e+e- collisions at centre-of-mass energies of 161 GeV and 172 GeV, by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1997). *Physics Letters B*, 407 (3-4), 377-388. (Published)
- A measurement of the QCD colour factors and a limit on the light gluino, by BARATE, R.; et al.. (1997). *Zeitschrift fr Physik C Particles and Fields*, 76 (1), 1-14. (Published)
- Measurement of the transverse spin correlations in the decay Z +-, by BARATE, R.; et al.. (1997). *Physics Letters B*, 405 (1-2), 191-201. (Published)
- Search for the Bc meson in hadronic Z decays, by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1997). *Physics Letters B*, 402 (1-2), 213-226. (Published)
- A measurement of Rb using a lifetime-mass tag, by BARATE, R. et al.. (1997). *Physics Letters B*, 401 (1-2), 150-162. [http://doi.org/10.1016/S0370-2693\(97\)00406-1](http://doi.org/10.1016/S0370-2693(97)00406-1) (Published)
- A measurement of Rb using mutually exclusive tags, by BARATE, R.; BUSKULIC, D.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1997). *Physics Letters B*, 401 (1-2), 163-175. (Published)
- Measurements of |Vcb|, form factors and branching fractions in the decays B0 D*+ - v and B0 D+ - v, by BUSKULIC, D.; et al.. (1997). *Physics Letters B*, 395 (3-4), 373-387. (Published)
- Performance of the Aleph upgraded silicon vertex detector, by CREANZA, D.; et al.. (1997). *Nuclear Physics B - Proceedings Supplements*, 54 (3), 317-322. (Published)
- Four-fermion production in e+e- collisions at centre-of-mass energies of 130 and 136 GeV, by BUSKULIC, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1996). *Physics Letters B*, 388 (2), 419-430. (Published)
- Search for CP violation in the decay Z b b g, by BUSKULIC, D.; et al.. (1996). *Physics Letters B*, 384 (1-4), 365-376. (Published)
- Mass limit for the standard model Higgs boson with the full LEP I ALEPH data sample, by BUSKULIC, D.; et al.. (1996). *Physics Letters B*, 384 (1-4), 427-438. (Published)
- Observation of charmless hadronic B decays, by BUSKULIC, D.; et al.. (1996). *Physics Letters B*, 384 (1-4), 471-480. (Published)
- Strange b baryon production and lifetime in Z decays, by BUSKULIC, D.; et al.. (1996). *Physics Letters B*, 384 (1-4), 449-460. (Published)
- Measurement of the b forward-backward asymmetry and mixing using high-p leptons, by BUSKULIC, D.. (1996). *Physics Letters B*, 384 (1-4), 414-426. (Published)
- Search for charginos and neutralinos with R-parity violation at s = 130 and 136 GeV, by BUSKULIC, D.; et al.. (1996). *Physics Letters B*, 384 (1-4), 461-470. (Published)
- Measurement of the mass of the b baryon, by BUSKULIC, D.; et al.. (1996). *Physics Letters B*, 380 (3-4), 442-452. (Published)
- Measurement of hadron and lepton-pair production from e+e- annihilation at centre-of-mass energies of 130 and 136 GeV, by BUSKULIC, D.; et al.. (1996). *Physics Letters B*, 378 (1-4), 373-384. (Published)
- Study of the B0sB0s oscillation frequency using D-s + combinations in Z decays, by BUSKULIC, D.; et al.. (1996). *Physics Letters B*, 377 (1-3), 205-221. (Published)

- Search for supersymmetric particles in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV, by BUSKULIC, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; GOY, C.; et al.. (1996). *Physics Letters B*, 373 (1-3), 246-260. (Published)
- A precise measurement of the average b hadron lifetime, by BUSKULIC, D.; et al.. (1996). *Physics Letters B*, 369 (2), 151-162. (Published)
- Measurement of the b polarization in Z decays, by BUSKULIC, D.; et al.. (1996). *Physics Letters B*, 365 (1-4), 437-447. (Published)
- Determination of $\sin^2\theta_W$ using jet charge measurements in hadronic Z decays, by BUSKULIC, D.; et al.. (1996). *Zeitschrift fr Physik C Particles and Fields*, 71 (3), 357-378. (Published)
- Improved measurement of the B^0 and B^+ meson lifetimes, by BUSKULIC, D.; et al.. (1996). *Zeitschrift fr Physik C Particles and Fields*, 71 (1), 31-44. (Published)
- Measurement of the B_s^0 lifetime and production rate with D_s^- + combinations in Z decays, by BUSKULIC, D.; et al.. (1995). *Physics Letters B*, 361 (1-4), 221-233. (Published)
- A measurement of $|V_{cb}|$ from $B^0 \rightarrow D^{*+} \pi^-$, by BUSKULIC, D.; CASPER, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; et al.. (1995). *Physics Letters B*, 359 (1-2), 236-248. (Published)
- Measurements of the b baryon lifetime, by BUSKULIC, D.; CASPER, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; et al.. (1995). *Physics Letters B*, 357 (4), 685-698. (Published)
- Measurement of the effective b quark fragmentation function at the Z resonance, by BUSKULIC, D.; et al.. (1995). *Physics Letters B*, 357 (4), 699-714. (Published)
- Measurement of s from scaling violations in fragmentation functions in e^+e^- annihilation, by BUSKULIC, D.; CASPER, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; et al.. (1995). *Physics Letters B*, 357 (3), 487-499. (Published)
- Measurement of the D^* cross section in two photon collisions at LEP, by BUSKULIC, D.; et al.. (1995). *Physics Letters B*, 355 (3-4), 595-605. (Published)
- Test of the flavour independence of s, by BUSKULIC, D.; CASPER, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; et al.. (1995). *Physics Letters B*, 355 (1-2), 381-393. (Published)
- The forward-backward asymmetry for charm quarks at the Z pole, by BUSKULIC, D.; CASPER, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; et al.. (1995). *Physics Letters B*, 352 (3-4), 479-486. (Published)
- An upper limit for the neutrino mass from $\psi(3700)$ decays, by BUSKULIC, D.; et al.. (1995). *Physics Letters B*, 349 (4), 585-596. (Published)
- Search for supersymmetric particles with R-parity violation in Z decays, by BUSKULIC, D.; CASPER, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; et al.. (1995). *Physics Letters B*, 349 (1-2), 238-252. (Published)
- Study of the subjet structure of quark and gluon jets, by BUSKULIC, D.; et al.. (1995). *Physics Letters B*, 346 (3-4), 389-398. (Published)
- Michel parameters and neutrino helicity from decay correlations in $Z \rightarrow e^+e^-$, by BUSKULIC, D.; CASPER, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; et al.. (1995). *Physics Letters B*, 346 (3-4), 379-388. (Published)
- A study of $D^{*+} \pi^-$ production in semileptonic B decay, by BUSKULIC, D.; et al.. (1995). *Physics Letters B*, 345 (1), 103-114. (Published)
- First measurement of the quark-to-photon fragmentation function, by BUSKULIC, D.; CASPER, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; et al.. (1995). *Zeitschrift fr Physik C Particles and Fields*, 69 (1), 365-377. (Published)
- Measurement of the $B D^* \pi$ branching fractions and $-V_{cb}-$, by BARISH, B.; et al.. (1995). *Physical Review D, Particles and fields*, 51 (3), 1014-1033. (Published)
- Measurement of D_s^+ meson production in Z decays and of the B_s^0 lifetime, by BUSKULIC, D.; CASPER, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.; et al.. (1995). *Zeitschrift fr Physik C Particles and Fields*, 69 (1), 585-595. (Published)
- Inclusive production of neutral vector mesons in hadronic Z decays, by BUSKULIC, D.; CASPER, D.; DE

- BONIS, I.; DECAMP, D.; GHEZ, P.; et al.. (1995). *Zeitschrift fr Physik C Particles and Fields*, 69 (1), 379-392. (Published)
- Measurements of the charged particle multiplicity distribution in restricted rapidity intervals, by BUSKULIC, D.; et al.. (1995). *Zeitschrift fr Physik C Particles and Fields*, 69 (1), 15-25. (Published)
- Improved tau polarisation measurement, by BUSKULIC, D.; et al.. (1995). *Zeitschrift fr Physik C Particles and Fields*, 69 (1), 183-193. (Published)
- Production of excited beauty states in Z decays, by BUSKULIC, D.; CASPER, D.; DE BONIS, I.; DECAMP, D.; GHEZ, P.. (1995). *Zeitschrift fr Physik C Particles and Fields*, 69 (1), 393-404. <https://doi.org/10.1007/BF02907419> (Published)
- Two-photon production of charged pion and kaon pairs, by DOMINICK, J. et al.. (1994). *Physical Review D, Particles and fields*, 50 (5), 3027-3037. <http://doi.org/10.1103/PhysRevD.50.3027> (Published)
- Luminosity measurement with the CLEO II detector, by CRAWFORD, G.; et al.. (1994). *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 345 (3), 429-439. (Published)
- Production and decay of $D(2420)0$ and $D2^*(2460)0$, by AVERY, P.; et al.. (1994). *Physics Letters B*, 331 (1-2), 236-244. (Published)
- First measurement of $(D(s)(+)) / (D(s)(+))$, by Acosta, D. et al.. (1994). *Physical Review D, Particles and fields*, 49 (11), 5690-5700. <https://doi.org/10.1103/PhysRevD.49.5690> (Published)
- Observation of c^+ decays to $+0$, $0+$, $0+0$, and $0-++$, by AVERY, P.; et al.. (1994). *Physics Letters B*, 325 (1-2), 257-262. (Published)
- A measurement of $B(D+S^+)$ $B(D+S^+)$, by BUTLER, F. et al.. (1994). *Physics Letters B*, 324 (2), 255-262. [http://doi.org/10.1016/0370-2693\(94\)90416-2](http://doi.org/10.1016/0370-2693(94)90416-2) (Published)
- Study of the decay $c^+ \rightarrow l^+ l$, by BERGFELD, T.; EISENSTEIN, B.; GOLLIN, G.; ONG, B.; PALMER, M.; et al.. (1994). *Physics Letters B*, 323 (2), 219-226. (Published)
- Search for B^0 decays to two charged leptons, by BARINGER, P.; et al.. (1994). *Physical Review D, Particles and fields*, 49 (11), 5701-5704. (Published)
- Exclusive hadronic B decays to charm and charmonium final states, by ALAM, M.; et al.. (1994). *Physical Review D, Particles and fields*, 50 (1), 43-68. (Published)
- Analysis of hadronic transitions in $(3S)$ decays, by Butler, F. et al.. (1994). *Physical Review D, Particles and fields*, 49 (1), 40-57. <http://doi.org/10.1103/PhysRevD.49.40> (Published)
- Observation of a new charmed strange meson, by KUBOTA, Y.; et al.. (1994). *Physical Review Letters*, 72 (13), 1972-1976. (Published)
- Search for neutrinoless decays of the tau lepton, by BARTELT, J.; CSORNA, S.; EGYED, Z.; JAIN, V.; KINOSHITA, K.; et al.. (1994). *Physical Review Letters*, 73 (14), 1890-1894. (Published)
- Measurement of two-photon production of the c_2 , by DOMINICK, J.; SANGHERA, S.; SHELKOV, V.; SKWARNICKI, T.; STROYNOWSKI, R.; et al.. (1994). *Physical Review D, Particles and fields*, 50 (7), 4265-4271. (Published)
- Observation of D_0K^{+-} , by CINABRO, D.; et al.. (1994). *Physical Review Letters*, 72 (10), 1406-1410. (Published)
- Study of the five-charged-pion decay of the lepton, by GIBAUT, D.; KINOSHITA, K.; BARISH, B.; CHADHA, M.; CHAN, S.; et al.. (1994). *Physical Review Letters*, 73 (7), 934-938. (Published)
- Observation of inclusive B decays to the charmed baryons c^{++} and c_0 , by PROCARIO, M.; et al.. (1994). *Physical Review Letters*, 73 (11), 1472-1476. (Published)
- Measurement of the branching fraction for D^+K^{++} , by BALEST, R.; et al.. (1994). *Physical Review Letters*, 72 (15), 2328-2331. (Published)
- Measurement of the branching fraction $\text{scr}B^-(h^0)$, by ARTUSO, M.; et al.. (1994). *Physical Review Letters*, 72 (24), 3762-3766. (Published)

- Measurement of cabibbo-suppressed decays of the lepton, by BATTLE, M.; et al.. (1994). *Physical Review Letters*, 73 (8), 1079-1083. (Published)
- Measurement of the cross section for pp, by ARTUSO, M.; et al.. (1994). *Physical Review D, Particles and fields*, 50 (9), 5484-5490. (Published)
- Precision measurement of the D_s^{*+} - D_s^+ mass difference, by BROWN, D.; et al.. (1994). *Physical Review D, Particles and fields*, 50 (3), 1884-1891. (Published)
- Search for exclusive $b \rightarrow u$ transitions in hadronic decays of B mesons involving D_s^+ and D_s^{*+} mesons, by ALEXANDER, J.; et al.. (1993). *Physics Letters B*, 319 (1-3), 365-372. (Published)
- Measurements of exclusive semileptonic decays of D mesons, by BEAN, A.; GRONBERG, J.; KUTSCHKE, R.; MENARY, S.; MORRISON, R.; et al.. (1993). *Physics Letters B*, 317 (4), 647-654. (Published)
- Two measurements of B_0 B^0 mixing, by BARTELT, J. et al.. (1993). *Physical Review Letters*, 71 (11), 1680-1684. <http://doi.org/10.1103/PhysRevLett.71.1680> (Published)
- Production and decay of the D_{s1} (2536) $^+$, by ALEXANDER, J.; et al.. (1993). *Physics Letters B*, 303 (3-4), 377-384. (Published)
- Search for exclusive $b \rightarrow u$ semileptonic decays of B mesons, by BEAN, A.; et al.. (1993). *Physical Review Letters*, 70 (18), 2681-2685. (Published)
- Search for $\tau \rightarrow \mu \nu$: A test of lepton number conservation, by BEAN, A.; et al.. (1993). *Physical Review Letters*, 70 (2), 138-142. (Published)
- Measurement of the τ -lepton mass, by BALEST, R.; et al.. (1993). *Physical Review D, Particles and fields*, 47 (9), (Published)
- Study of D_0 decays into K_0 and K^*0 , by PROCARIO, M.; et al.. (1993). *Physical Review D, Particles and fields*, 48 (9), 4007-4017. (Published)
- Lepton asymmetry measurements in BD^{*l} -l and implications for V-A and the form factors, by SANGHERA, S.; SKWARNICKI, T.; STROYNOWSKI, R.; ARTUSO, M.; GOLDBERG, M.; et al.. (1993). *Physical Review D, Particles and fields*, 47 (3), 791-798. (Published)
- Measurement of charmless semileptonic decays of B mesons, by BARTELT, J.; et al.. (1993). *Physical Review Letters*, 71 (25), 4111-4115. (Published)
- Measurement of the D branching fractions, by SELEN, M.; et al.. (1993). *Physical Review Letters*, 71 (13), 1973-1977. (Published)
- Limit on the tau neutrino mass, by CINABRO, D.; et al.. (1993). *Physical Review Letters*, 70 (24), 3700-3704. (Published)
- Observation of the charmed baryon c^+ and measurement of the isospin mass splittings of the c, by CRAWFORD, G.; et al.. (1993). *Physical Review Letters*, 71 (20), 3259-3262. (Published)
- Observation of B_0 decay to two charmless mesons, by BATTLE, M.; ERNST, J.; KROHA, H.; KWON, Y.; ROBERTS, S.; et al.. (1993). *Physical Review Letters*, 71 (24), 3922-3926. (Published)
- Measurement of the decay $\tau \rightarrow \mu \nu$, by BORTOLETTO, D.; et al.. (1993). *Physical Review Letters*, 71 (12), 1791-1795. (Published)
- Measurement of the ratio $\text{scrB}(D+0l^+)/\text{scrB}(D+K0l^+)$, by ALAM, M.; et al.. (1993). *Physical Review Letters*, 71 (9), 1311-1315. (Published)
- Measurement of the absolute branching fraction for $D_0 K^+$, by AKERIB, D.; et al.. (1993). *Physical Review Letters*, 71 (19), 3070-3074. (Published)
- Evidence for penguin-diagram decays: First observation of $BK^*(892)$, by AMMAR, R.; et al.. (1993). *Physical Review Letters*, 71 (5), 674-678. (Published)
- Measurement of exclusive c decays with a in the final state, by KUBOTA, Y.; et al.. (1993). *Physical Review Letters*, 71 (20), 3255-3258. (Published)
- Study of the decays c^+0K^+ , $c^{++}K^+K^-$, and $c^+K^+K^+$, by AVERY, P.; FREYBERGER, A.; RODRIGUEZ, J.;

- STEPHENS, R.; YELTON, J.; et al.. (1993). *Physical Review Letters*, 71 (15), 2391-2395. (Published)
- Tau decays with one charged particle plus multiple 0's, by PROCARIO, M.; YANG, S.; BALEST, R.; CHO, K.; DAOUDI, M.; et al.. (1993). *Physical Review Letters*, 70 (9), 1207-1211. (Published)
- Exclusive (2P) production in {hooked}(3S) decay, by CRAWFORD, G.; FULTON, R.; GAN, K.; KAGAN, H.; KASS, R.;. (1992). *Physics Letters B*, 294 (1), 139-144. (Published)
- A measurement of the tau lepton lifetime, by BATTLE, M.; ERNST, J.; KROHA, H.; ROBERTS, S.; SPARKS, K.; et al.. (1992). *Physics Letters B*, 291 (4), 488-495. (Published)
- A muon identification detector for B-physics near e+e- BB threshold, by BORTOLETTO, D.; BUDA, L.; ENNULAT, J.; GOLDBERG, M.; HAUPT, T.; et al.. (1992). *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 320 (1-2), 114-127. (Published)
- The CLEO II detector, by KUBOTA, Y.; NELSON, J.; PERTICONE, D.; POLING, R.; SCHRENK, S.; et al.. (1992). *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 320 (1-2), 66-113. (Published)
- Observation of the decay $c0 - K+$, by HENDERSON, S.; et al.. (1992). *Physics Letters B*, 283 (1-2), 161-164. (Published)
- Isospin mass splittings from precision measurements of D^*-D mass differences, by BORTOLETTO, D.; BROWN, D.; DOMINICK, J.; MCILWAIN, R.; MIAO T.; et al.. (1992). *Physical Review Letters*, 69 (14), 2046-2049. (Published)
- Electronic branching ratio of the lepton, by AMMAR, R.; BARINGER, P.; COPPAGE, D.; DAVIS, R.; KELLY, M.; et al.. (1992). *Physical Review D, Particles and fields*, 45 (11), 3976-3985. (Published)
- Measurement of the $D^*(2010)$ branching fractions, by BUTLER, F.; et al.. (1992). *Physical Review Letters*, 69 (14), 2041-2045. (Published)
- Measurement of the tau lepton electronic branching fraction, by AKERIB, D.; et al.. (1992). *Physical Review Letters*, 69 (25), 3610-3614. (Published)
- Measurement of decays involving mesons, by ARTUSO, M.; et al.. (1992). *Physical Review Letters*, 69 (23), 3278-3281. (Published)
- Exclusive and inclusive semileptonic decays of B mesons to D mesons, by FULTON, R.; et al.. (1991). *Physical Review D, Particles and fields*, 43 (3), 651-663. (Published)
- Inclusive production of the charmed baryon $c+$ from e+e- annihilations at $s=10.55$ geV, by AVERY, P.; BESSON, D.; GARREN, L.; YELTON, J.; KINOSHITA, K.; et al.. (1991). *Physical Review D, Particles and fields*, 43 (11), 3599-3610. (Published)
- Study of K^* production in tau decay, by GOLDBERG, M.; et al.. (1990). *Physics Letters B*, 251 (1), 223-228. (Published)
- Measurement of widths of charmonium states, by CHEN, W.; MCILWAIN, R.; MILLER, D.; NG, C.; SCHAFFNER, S.; et al.. (1990). *Physics Letters B*, 243 (1-2), 169-174. (Published)
- Study of the decays $D0KK$, , by ALEXANDER, J.; et al.. (1990). *Physical Review Letters*, 65 (10), 1184-1187. (Published)
- Observation of $IV(4=S)$ decays into non= BBA final states containing I mesons, by ALEXANDER, J.; et al.. (1990). *Physical Review Letters*, 64 (19), 2226-2229. (Published)
- Measurement of the $c+$ decay-asymmetry parameter, by AVERY, P.; et al.. (1990). *Physical Review Letters*, 65 (23), 2842-2845. (Published)
- Observation of B-meson semileptonic decays to noncharmed final states, by FULTON, R.; et al.. (1990). *Physical Review Letters*, 64 (1), 16-20. (Published)
- Exclusive and inclusive decays of B mesons into D_s mesons, by BORTOLETTO, D.; GOLDBERG, M.; HORWITZ, N.; JAIN, V.; MESTAYER, M.; et al.. (1990). *Physical Review Letters*, 64 (18), 2117-2120. (Published)

Books (Non-Refereed)

Principles of quantitative development by THULASIDAS, Manoj. (2010). Chichester: Wiley. <http://doi.org/10.1002/9781119206569> (Published)

The unreal universe: A study in applied spirituality by THULASIDAS, Manoj. (2007). Singapore: Asian Books. <http://worldcat.org/isbn/9789810575946> (Published)

Conference Proceedings

Optimization of BCI speller based on P300 potential, by THULASIDAS, Manoj; GUAN, Cuntai. (2005). *2005 27th Annual International Conference of the IEEE Engineering in Medicine and Biology Society: Shanghai, China, 31 August - 3 September 2005*, (pp. 5396-5399) Piscataway, NJ: IEEE. <http://doi.org/10.1109/IEMBS.2005.1615702> (Published)

High performance P300 speller for brain-computer interface, by GUAN, Cuntai; THULASIDAS, Manoj; WU, Jiankang. (2004). *2004 IEEE International Workshop on Biomedical Circuits & Systems: Singapore, 1-3 December 2004*, (pp. 13-16) Piscataway, NJ: IEEE. <http://doi.org/10.1109/BIOCAS.2004.1454155> (Published)

Effect of ocular artifact removal in brain computer interface accuracy, by THULASIDAS, Manoj; RANGANATHA, Sitaram; WU, Jiankang; XU, Wenjie. (2004). *EMBC 2004: 26th Annual International Conference of the IEEE Engineering in Medicine and Biology Society: San Francisco, 1-5 September, 2004*, (pp. 4385-4388) Piscataway, NJ: IEEE. <http://doi.org/10.1109/IEMBS.2004.1404220> (Published)

High accuracy classification of EEG signal, by XU, Wenjie; GUAN, Cuntai; SIONG, Chng Eng; RANGANATHA, S.; THULASIDAS, Manoj; WU, Jiankang. (2004). *ICPR '04: Proceedings of the 17th International Conference on Pattern Recognition, Cambridge, August 23 - 26, 2004*, (pp. 391-394) Los Alamitos, CA: IEEE Computer Society. <http://doi.org/10.1109/ICPR.2004.1334229> (Published)

Conference Papers

Nearest Centroid: A bridge between statistics and machine learning, by THULASIDAS, Manoj. (2020). *An International Conference on Engineering, Technology and Education, Virtual Conference, 2020 December 8-11*, Virtual Conference. (Presented)

Secure answer book and automatic grading, by THULASIDAS, Manoj. (2020). *An International Conference on Engineering, Technology and Education, Virtual Conference, 2020 December 8-11*, Virtual Conference. (Presented)

A quality metric for K-Means clustering, by THULASIDAS, Manoj. (2018). *2018 14th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery*, Huangshan, China. <https://doi.org/10.1109/FSKD.2018.8687210> (Published)

Robust classification of event-related potential for brain-computer interface, by THULASIDAS, Manoj; GUAN, Cuntai; WU, Jiankang. (2004). *International Conference on Advances in Medical Signal and Information Processing 2nd MedSIP 2004, September, Malta*. (Published)

Magazine Articles

Software nightmares, by THULASIDAS, Manoj. (2008, September). *Wilmott*, 34-37. (Published)

Benford and your taxes, by THULASIDAS, Manoj. (2008, January). *Wilmott*, 45-47. (Published)

Newspaper Articles

Flirting with a flourish, by THULASIDAS, Manoj. (2008, January 05). *Today* (Published)

How much should foreign talent be paid?, by THULASIDAS, Manoj. (2007, July 21). *Today*, 15-15. (Published)

Intellectual Property

Granted: Manoj THULASIDAS, "Method for Identifying Individuals, US Patent App. 10/250,125", 26323

Work in Progress

Manoj THULASIDAS, Nearest Centroid Classification and Regression, 2019

Manoj THULASIDAS, Quality Metrics for K-Means Clustering Based on Centroid, 2019

TEACHING

Teaching Areas

Business Modelling using Spreadsheets, Data Analytics

Courses Taught

Singapore Management University

Undergraduate Programmes :

Analytics Foundation

Computer as an Analysis Tool

Linear Algebra for Computing Applications

Spreadsheet Modeling and Analytics

Text Mining and Language Processing

OTHER ACADEMIC AND PROFESSIONAL ACTIVITIES

Media Contributions and Citations

Appeared in a TV interview Singapore Choice (in Malayalam), AsiaNet TV channel, 01 Dec 2014
https://youtu.be/ZTMM_zahdAo

Comments on the sub-prime crisis in evening news, Channel 5 and Channel News Asia, 01 Jan 2008

Commenting on the volatile year as a quantitative finance expert, Cover story of the Wilmott Magazine, 01 Jan 2008

Brain-Computer Interface research results, Channel News Asia, 01 Dec 2004

Samsung DigitAll Hope award: During the award ceremony for this Samsung grant, the media conducted an interview and reported on it in the evening news, Channel i, 01 Nov 2004

The Straits Times did an interview and published a news report piece on the work done in the area of Brain-Computer Interface by the team, The Straits Times, 01 Sep 2004

UNIVERSITY SERVICE

Singapore Management University

Track Coordinator, Business Analytics Track, Jan 2020 - Present

Basket Coordinator, Modes of Thinking, Jul 2019 - Present

Co-Programme Director, BSc (Computing & Law), Jan 2019 - Dec 2019

Committee Member, Core Curriculum Committee, Jun 2018 - Present

START Coordinator, SIS, May 2018 - Present

Interaction Day Coordinator, SIS, Jan 2018 - Dec 2018

EXTERNAL SERVICE PROFESSIONAL

Presenter Keynote Address, IPECS2020 Conference, 2020

Program Chair, ECML-PKDD 2020 Conference, 2020

Invited Lecture, IEEE Computer Society, Kerala Chapter, 2020

Invited Lecture, Ngee Ann Polytechnic, 2016

Invited Lecture, NTU, 2014

Invited Lecture, NTU, 2012

Guest Speaker, FinCAD and Wiley Finance, 2011