

9 December, 2019

CURRICULUM VITAE

Personal particulars

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I.D./Passport no.: G500852(1)
Position held in organisation: Associate Professor
Organisation: The Hong Kong Polytechnic University

Academic/Professional Qualifications (in chronological order)

1987 B.Eng.(Hons.), Mechanical Engineering, Hong Kong Polytechnic
1992 M.Sc., Precision Engineering (Dissertation: Dynamics of Resonant Low Inertia Scanners with X-Flexure Construction), Hong Kong Polytechnic
1997 Ph.D., Mechanical Engineering (Dissertation: Time-averaged Vibration Digital Speckle Pattern Interferometry), The Hong Kong Polytechnic University
Member of the Institution of Mechanical Engineers, MIMechE
Chartered Engineer, CEng
Member of the Hong Kong Institution of Engineers, MHKIE

Industrial Experience with Dates

10/85 - 8/86 Engineering Trainee, Hong Kong Productivity Council – team member of an engineering servicing team in eight industrial automation projects
8/87 - 4/89 Mechanical Engineer, Schick Ltd. - responsible for automatic cartridge assembly machine design project
4/89 - 2/90 Mechanical Engineer, Miti Research Ltd. - responsible for the product design of electronic databank and electronic dictionary products
2/90 - 9/90 Mechanical Engineer, Philips (HK) Ltd. - responsible for the product development of electronic consumer products

Teaching

Teaching Experience

- 10/1990 - 6/1999 Lecturer, The Hong Kong Polytechnic University
- 7/1999 – 6/2010 Assistant Professor, The Hong Kong Polytechnic University
- 7/2010 – present Associate Professor, The Hong Kong Polytechnic University

Research

Research Areas

Structural dynamics, laser interferometry, optical metrology, laser diagnostics, vibration measurement, signal processing and image processing

Publications

Journal Publications

1. B Xiang and WO Wong (2019) Vibration characteristics analysis of magnetically suspended rotor in flywheel energy storage system, *Journal of Sound and Vibration*, 444, 235-247.
2. WO Wong, R Fan and F Cheng (2018) Design optimization of a viscoelastic dynamic vibration absorber using a modified fixed-points theory, *Journal of the Acoustical Society of America*, **143**, 1064-1075.
3. YY Hua, WO Wong, Li Cheng (2018) Optimal design of a beam-based dynamic vibration absorber using fixed-points theory, *Journal of Sound and Vibration*, **421**, 111-131.
4. A Vyas, CW Leung and WO Wong (2018) Developing student driven learning: Impact on knowledge and attitude, *International Journal of Learning and Teaching*, 4, 356-360.
5. MH Tso, J Yuan, and WO Wong (2017), Hybrid vibration absorber with detached design for global vibration control, *Journal of Vibration and Control*, **23**(20), 3414–3430.
6. A Vyas and WO Wong (2017), Teaching PVD magnetron sputtering technique for deposition of multilayer thin film coatings supported by simulation, *Journal of Materials Education*, 39 (1-2): 43-58.
7. WO Wong (2016), Optimal design of a hysteretic vibration absorber using fixed-points theory, *Journal of the Acoustical Society of America*, 139 (6), 3110–3115.
8. YL Cheung and WO Wong, (2016), Minimization of impulse response of dynamic structures using a ground-hooked dynamic vibration absorber, *International Journal of Mechanical Systems Engineering*, Volume 2, No. 113
9. YL Cheung, WO Wong and L Cheng (2015), A subsystem approach for analysis of dynamic vibration absorbers suppressing broadband vibration, *Journal of Sound and Vibration*, **342**, 75–89.
10. EHK Fung, M Zhu, XZ Zhang, and WO Wong (2014), A novel Fourier-Eight-Sensor (F8S) method for separating straightness, yawing and rolling motion errors of a linear slide, *Measurement*, **47**, 777-788.
11. WO Wong, YL Cheung and L Cheng (2013), Modal Power Flow Analysis of a Damaged Orthotropic Plate, *Advances in Structural Engineering*, **16**, 115-125.
12. YL Cheung, WO Wong and L Cheng (2013), Optimization of a hybrid vibration absorber for vibration control of structures under random force excitation, *Journal of Sound and Vibration*, **332**, 494–509.
13. MH Tso, J Yuan and WO Wong (2013), Design and experimental study of a hybrid vibration absorber for global vibration control, *Engineering Structures*, 56, 1058-1069.
14. EHK Fung, N Hou, and WO Wong (2013), A Novel Method for On-Machine Determination of Slide Motion Errors Considering Thermal Effects, *Applied Mechanics and Materials*, 421, 157-162.

15. EHK Fung, XZ Zhang, M Zhu and WO Wong (2013), Profile Estimation of Linear Slide in the Presence of Straightness, Yawing and Rolling Motion Errors, *Applied Mechanics and Materials*, 421, 444-448.
16. YL Cheung, WO Wong and L Cheng (2012), Minimization of the mean square velocity response of dynamic structures using an active-passive dynamic vibration absorber, *Journal of the Acoustical Society of America*, **132**, 197-207.
17. YL Cheung, WO Wong and L Cheng (2012), Design optimization of a damped hybrid vibration absorber, *Journal of Sound and Vibration*, **331**, 750–766.
18. MH Tso, J Yuan and WO Wong (2012), Suppression of random vibration in flexible structures using a hybrid vibration absorber, *Journal of Sound and Vibration*, **331**, 974–986.
19. YL Cheung and WO Wong (2011), H-infinity optimization of a variant design of the dynamic vibration absorber - Revisited and new results, *Journal of Sound and Vibration*, **330**, 3901–3912.
20. YL Cheung and WO Wong (2011), H₂ optimization of a non-traditional dynamic vibration absorber for vibration control of structures under random force excitation, *Journal of Sound and Vibration*, **330**, 1039-1044.
21. XW Wang, and Y Zhou and WO Wong, (2011), Turbulent Flow Structure and Swirl Number Effect in a Cyclone, *Journal of Fluids Engineering*, **133**, 111103.
22. YL Cheung and WO Wong (2009), Design of a non-traditional dynamic vibration absorber, *Journal of the Acoustical Society of America*, **126**, 564-567.
23. WO Wong, XQ Wang and L Cheng, (2009), Modal power flow analysis of a damaged plate, *Journal of Sound and Vibration*, **320**, 84-100.
24. XQ Wang, WO Wong and L Cheng (2009), Modal Power Flow with Application to Damage Detection, *International Journal of Engineering Science*, **47**, 512–523.
25. YL Cheung and WO Wong, (2009), H_∞ and H₂ optimizations of dynamic vibration absorber for suppressing vibrations in plates, *Journal of Sound and Vibration*, **320**, 29-42.
26. WO Wong and YL Cheung, (2008), Optimal design of a damped dynamic vibration absorber for vibration control of structure excited by ground motion, *Engineering Structures*, **30**, 282–286.
27. YL Cheung and WO Wong (2008), Isolation of Bending Vibration in Beams with Dynamic Vibration Absorbers, *Journal of Vibration and Control*, **14**, 1231-1246.
28. JA Qi, WO Wong, CW Leung and DW Yuen (2008), Temperature Field Measurement of a Premixed Butane/Air Slot Laminar Flame Jet with Mach-Zehnder Interferometry, *Applied Thermal Engineering*, **28**, 1806–1812.
29. WO Wong, S L Tang, YL Cheung and L Cheng (2007), Design of a dynamic vibration absorber for vibration isolation of beams under distributed loading, *Journal of Sound and Vibration*, **301**, 898-908.
30. WO Wong, XW Wang and Y Zhou, (2007), Turbulent flow structure in a cylinder-on-cone cyclone, *Journal of Fluids Engineering*, 129, 1179-1185.
31. WC Lai, Y Zhou, WO Wong and XW Wang, (2007), Effect of an oscillating cylinder on flow in a cylinder array, *Dynamics of Continuous, Discrete and Impulsive Systems Series B: Applications & Algorithms* 14 (S8) 63-77.
32. JA Qi, CW Leung, WO Wong and SD Probert (2006), Temperature Fields Measurement of a Premixed Butane/air Circular Impinging Flame with Reference Beam Interferometry, *Applied Energy*, **83**, 1307-1316.
33. DD Luo, CW Leung, TL Chan and WO Wong (2005), Simulation of turbulent flow and forced convection in a triangular duct with internal ribbed surfaces, *Numerical Heat Transfer, Part A*, **48**: 447-459.
34. DD Luo, CW Leung, TL Chan and WO Wong (2005), Flow and forced-convection characteristics of turbulent flow through parallel plates with periodic transverse ribs, *Numerical Heat Transfer, Part A*, **48**: 43-58.
35. WO Wong, P Feng, SR Reid and KT Chan (2004), Simple Full-field Method for the Elastic Characterization of Orthotropic Composite Plates, *AIAA Journal*, **42**, 2216-2224.

36. LH Yam, Z Wei, L Cheng and WO Wong (2004), Numerical analysis of multi-layer composite plates with internal delamination, *Computers & Structures*, **82**, 627-637.
37. WO Wong (2003), Comments on The effects of distributed mass loading on plate vibration behavior - Author's reply, *Journal of Sound and Vibration*, **264**, 982.
38. WO Wong (2002), The effects of distributed mass loading on plate vibration behaviour, *Journal of Sound and Vibration*, **252**, 577-583.
39. WO Wong (2002), A simple speckle shearing interferometer, *Optics and Laser Technology*, **34**, 399-403.
40. LH Yam, YY Li and WO Wong (2002), Sensitivity studies of parameters for damage detection of plate-like structures using static and dynamic approaches, *Engineering Structures*, **24**, 11, 1465-1475.
41. YY Li, L Cheng, LH Yam and WO Wong (2002), Identification of damage locations for plate-like structures using damage sensitive indices: strain modal approach, *Computers & Structures*, **80**, 1881-1894.
42. JW Shu, Q Lu, WO Wong and HC Huang (2002) Parallelization strategies for Monte Carlo simulations of thin film deposition, *Computer Physics Communications*, **144**, 34-45.
43. JW Shu, WM Zheng, Q Lu, HC Huang, WO Wong (2002) Parallel computing for lattice Monte Carlo simulation of large-scale thin film growth, *Science in China Series F*, **45** (2): 103-110.
44. WO Wong, LH Yam, YY Li, LY Law and KT Chan (2000), Vibration analysis of annular plates using mode subtraction method, *Journal of Sound and Vibration*, **232**, 807-822.
45. WO Wong (1999), Visualization of Dynamic Stress and Strain Fields in Plate Vibrations, *Computer Applications in Engineering Education*, **7**, 99-106.
46. WO Wong and KT Chan (1998), Quantitative Vibration Amplitude Measurement with Time-average Digital Speckle Pattern Interferometry, *Optics and Laser Technology*, **30**, 317-324.
47. WO Wong (1998), Vibration modeshape visualization with a time average TV holography system, *The International Journal of Engineering Education*, **14**, 241-247 (<http://www.ijee.dit.ie/articles/Vol14-4/ijee1010.pdf>).
48. WO Wong and KT Chan (1998), Measurement of Modal Damping by an Electronic Speckle Shearing Interferometer, *Optics and Laser Technology*, **30**, 113-120.
49. WO Wong, KT Chan and TP Leung (1997), Identification of anti-nodes and zero-surface-strain contours of flexural vibration with time-average speckle pattern shearing interferometry, *Applied Optics*, **106**, 3776-3784.
50. WO Wong, KT Chan and TP Leung (1997), Contrast and sensitivity of the vibration fringes in time-averaged electronic speckle pattern interferometry: effect of variations of force level, *Optics and Laser Technology*, **29**, 179-185.
51. WO Wong (1997), Vibration Analysis by Laser Speckle Correlation, *Optics and Lasers in Engineering*, **28**, 277-286.
52. KT Chan, TP Leung and WO Wong (1996), Free Vibration of Simply Supported Beams Partially Loaded with Distributed Mass, *Journal of Sound and Vibration*, **191**, 590-597.

Other refereed publications:

Thesis:

WO Wong (1997) Time-averaged Vibration Digital Speckle Pattern Interferometry, PhD thesis, The Hong Kong Polytechnic University

Conference Proceedings

1. A Vyas and WO Wong (2019), Study on the introduction of simulation and visualization for intricate experimentations and its effect on learning in engineering education. *ISERD, 627th International Conference on Education and E-Learning (ICEEL)*, 8-9 July 2019, Crete, Greece.

2. B Xiang, WO Wong (2018), Suspension Characteristics of Magnetically Suspended Frame in Inertially Stabilized Platform. IEEE-PEMC 2018 - 18th International Conference on Power Electronics and Motion Control, Aug 26-30, 2018, Budapest, Hungary.
3. A Vyas, CW Leung and WO Wong (2018), Development of Student Driven Learning in Engineering. *Education (under ICBASS 2018)*, Mar 27-29, 2018, Kyoto, Japan.
4. A Vyas, CW Leung and WO Wong (2017), Students as partners in identifying self-directed learning: A case study in Engineering. HKERA International Conference 2017, Hong Kong 30 Nov- 2 Dec, 2017, Hong Kong, China.
5. YY Hua, WO Wong, Li Cheng (2017) The mass ratio's and the primary structure damping ratio's effects on the dynamic characters of the MTMDs device. INTER-NOISE 2017, the 46th International Congress and Exposition on Noise Control Engineering, Aug 27 – 30, 2017, Hong Kong, China, 1770-1781.
6. A Vyas, CW Leung and WO Wong (2017) Developing student driven learning: Impact on knowledge and attitude. 4th International Conference on Education and Training Technologies (ICETT 2017), July 9-11, 2017, Singapore.
7. YY Hua, WO Wong, Li Cheng (2016) Design optimization of a beam-based dynamic vibration absorber using the fixed-points theory. 4th International Conference and Exhibition on Mechanical & Aerospace Engineering, Oct 3-4, 2016, Orlando, USA.
8. EHK Fung., NJ Hou., HF Yu, WO Wong (2014) Simulation, Prediction and Compensation of Transient Thermal Deformations of a Reciprocating Linear Slide for F8S Motion Error Separation. 3rd International Conference on Mechanical Engineering and Mechatronics, No. 139 Prague, Czech Republic, August 14-15, 2014, AVESTIA Publishing, Canada (2014) ISBN 978-1-927877-05-0(print) (CD ROM)
9. C Mao, WO Wong, L Cheng (2013), A Modal Energy Method for Dynamic Force Identification. Proceedings of the 15th Asia Pacific Vibration Conference, 2-6 June, 2013 Jeju, Korea, 1028-1033.
10. EHK Fung., NJ Hou., M Zhu, WO Wong (2012), A Novel Integrated Sensing System (ISS) for Monitoring Motion Errors of a Precision Linear Slide. Proceedings of the 2012 ASME International Mechanical Engineering Congress and Exposition, Houston, TX, U.S.A., 9-15 November 2012 (Paper No. IMECE2012-86013)
11. WO Wong, YL Cheung and L Cheng (2011), Modal Power Flow Analysis of a Damaged Composite Plate, The 14th Asia Pacific Vibration Conference, 5-8 Dec 2011, Hong Kong, 872-880.
12. YL Cheung, WO Wong and L Cheng (2011), Minimization of Impulse Response Using Hybrid Dynamic Vibration Absorber, The 14th Asia Pacific Vibration Conference, 5-8 Dec 2011, Hong Kong, 650-659.
13. EHK Fung, NJ Hou, M Zhu and WO Wong (2011), A Novel Integrated Sensing System for Monitoring CMM Motion Errors, ASME International Mechanical Engineering Congress and Exposition, Denver, CO, U.S.A., 11-17 November 2011 (Paper No. IMECE2011-66232).
14. WO Wong, Z Gao and J Lu (2010) A simple heterodyne temporal speckle-pattern interferometer, Proceedings of 9th International Conference on Vibration Measurements by Laser and Noncontact Techniques, 22-25 June 2010, Ancona, Italy, 410-414
15. EHK Fung, NJ Hou, M Zhu, XZ Zhang, WO Wong (2010), An Improved Fourier Eight-Sensor (F8s) Method For Separating Straightness, Yawing And Rolling Errors Of A Linear Slide, Proceedings of The ASME International Mechanical Engineering Congress And Exposition Vol 3, Pts A And B Vancouver, Canada, Nov 12-18, 2010, 371-378.
16. X Liu, WO Wong and L Cheng (2010) Damage detection in plate structures using modal power flow analysis, Proceedings of 9th International Conference on Vibration Measurements by Laser and Noncontact Techniques, 22-25 June 2010, Ancona, Italy, 150-154
17. E Fung, M Zhu, XZ Zhang, WO Wong (2010) An Improved Fourier Eight-Sensor (F8S) Method for Separating Straightness, Yawing and Rolling Errors of a Linear Slide, ASME 2010 International Mechanical Engineering Congress & Exposition, 12-18 Nov, Vancouver, Canada, IMECE2010-37611
18. E Fung, WO Wong, M Zhu (2010) An on-machine separation method for straightness, yawing and rolling errors of a linear slide, ASME International Mechanical Engineering Congress and Exposition 13-19 Nov 2009, Lake Buena Vista, FL, 105-114

19. MH Tso, J Yuan, WO Wong (2009) Structural vibration control with hybrid vibration absorbers, 3rd International Conference on Integrity, Reliability and Failure, July 20- 24, 2009, Porto, Portugal, Paper no. S1120_A0335
20. EHK Fung, WO Wong and M Zhu (2009) An On-machine Separation Method for Straightness, Yawing and Rolling Errors of a Linear Slide". Proceedings of the 2009 ASME International Mechanical Engineering Congress and Exposition, 2009, Lake Buena Vista, FL, U.S.A., pp.IMECE-10438.
21. WO Wong (2008) Critical speed determination of rotating structures with an optical technique, Proceedings of the IMAC-XXVI: A Conference & Exposition on Structural Dynamics, February 4 – February 7, 2008, Orlando, Florida USA, 316
22. YL Cheung and WO Wong (2008) Optimization of dynamic vibration absorbers for vibration suppression in plates, Proceedings of the IMAC-XXVI: A Conference & Exposition on Structural Dynamics, February 4 – February 7, 2008, Orlando, Florida USA, 317
23. WO Wong, XW Wang and Y Zhou, (2005) Flow Measurement in a Cyclone Using PIV and LDA, Proceedings of The Symposium on Flow, Structural Vibration, Their Interaction and Control, July 29-31, 2005, Guelph, Canada, 8-19
24. CS Cheung, KS Tsang, WO Wong, TY Leung, MK Fung, (2005) Effect of fuel nozzle condition on vehicle exhaust emissions". Proceedings of the Seventh China and Korea International Conference on Internal Combustion Engines and Automotive Engineering, Hangzhou, China, April, 2005, CD-Rom ISBN962-367-451-1
25. WO Wong, XW Wang, KK Lo, CS Cheung and JH Whitelaw, (2004) Experimental Study of the Separation Efficiency of a Cyclone Based Diesel Particulate Separator, Proceedings of The Seventh Asia-Pacific International Symposium on Combustion and Energy Utilization Decemebter 15-17, 2004, Hong Kong SAR, B5-313
26. WO Wong, XW Wang, KK Lo, CS Cheung and JH Whitelaw, (2004) Experimental Investigation of the Flow Structure in a Cyclone Separator, Proceedings of The Seventh Asia-Pacific International Symposium on Combustion and Energy Utilization Decemebter 15-17, 2004, Hong Kong SAR, C3-312
27. KS Tsang, CS Cheung, WO Wong, TY Leung, and MK Fung, (2004) Comparison of Emissions from a Light Duty Diesel Vehicle Using Aged and New Fuel Injectors, Proceedings of The Seventh Asia-Pacific International Symposium on Combustion and Energy Utilization Decemebter 15-17, 2004, Hong Kong SAR, C1-194
28. ZJ Wang, XW Wang , Y Zhou and WO Wong, (2002) Fluctuating temperature measurement on a cylinder in a cross flow using fibre-optic bragg grating sensors, Proceedings of 11th international Symposium on Applications of Laser Techniques to Fluid Mechanics (CD Rom), Lisbon, 8-11 July, 2002. Paper 18.2.
29. WO Wong, KK Ng, KT Chan and SR Reid (2001) ‘Vibration analysis of structures with a weakened support’, *Proc. of 8th Intl. Congress on Sound & Vibration, July 2 – 6th, Hong Kong, 3117 - 3122*
30. WO Wong and P Feng (2001) ‘Identification of the elastic properties of composite materials with digital speckle shearing interferometry’, *The 21st Century Forum on Chinese NDT Technologies*, July 15 – 19, 2001, Zhuhai, China, 211-215.
31. KK Ng, WO Wong, KT Chan and SR Reid (2001) ‘A vibration method for structural damage identification’, *Proc. of 8th Intl. Congress on Sound & Vibration, July 2 – 6th, Hong Kong, 1653 – 1660*
32. YJ Yan, LH Yam, YY Li, WO Wong (2001) 'Detection of crack damage in composite laminates using smart material and wavelet analysis', *Proc. of 8th Intl. Congress on Sound & Vibration, July 2 – 6th, Hong Kong, 2349 – 2356*
33. WO Wong, MSM Chan, KT Chan and RMC So (2000) ‘A modified Hilbert transformation method for fringe pattern analysis’, *Proc. of 2nd Intl. Conf. on Experimental Mechanics*, Nov 29 – Dec 1, 2000 Singapore, SPIE Vol. 4317, 424-428
34. KT Chan, RMC So, WO Wong, and YJ Li (2000) ‘Particle Image Aberrations of Off-Axis Holography’, *9th International Symposium on Flow Visualization*, August 22-25th, Edinburgh, UK, **51**, 1-25

35. KT Chan, WO Wong, RMC So and YJ Li (1998) ‘The Side-Scattering Holography for Turbulent Flow Measurement in a Small Pipe’, *Proc. of Intl. Conference on Optical Technology and Image Processing in Fluid, Thermal And Combustion Flow, Dec 6-10, 1998 Yokohama, Japan* (Paper No. AB028)
36. WO Wong, TP Leung and KT Chan, (1995) ‘Real Time Vibration Measurement of Structures by ESPI’, *Proc. of Intl. Conf. on Structural Dynamics, Vibration, Noise and Control, Hong Kong, 984-989*
37. WO Wong and KT Chan, (1993) ‘A High Speed Electronic Speckle Pattern Interferometer’, *Proc. of Conf. on Precision Engineering, AITC, Hong Kong, 21-28*

Services

University Services

Member of the Working Group on Subject Quality Assurance (WGSQA) under the Learning and Teaching Committee (LTC)

Programme Leader of the part-time BEng ME programme (43460 & 43491) managing about 250 part-time ME students.

Final year project coordinator of the part-time BEng ME programme (43460 & 43491).

Committee Member of Departmental Learning and Teaching Committee

Committee Member of Departmental Undergraduate Committee

Public Community Services

Member of The Pressure Equipment Advisory Committee of the HKSAR Government

Professional Services

- Member of the Editor Board of the *International Journal of Mechanical Systems Engineering and the Journal of ISRN Mechanical Engineering*
- Invitation speech on “Design Optimization of Dynamic Vibration Absorbers” at Kyoto University, Global COE Program 2007-2012, Japan, 2 Feb, 2011
- Session Chair of the *eighth International Congress on Sound & Vibration, July 2 – 6th, 2001, Hong Kong*
- Reviewer of the *Journal of Sound and Vibration, Journal of Measurement Science and Technology, Journal of Optics A: Pure and Applied Optics, Mechanics based design of structures and machines, Journal of shock and vibration, and Journal of Vibration and Control*
- Consultancy Services to Industry
 - 2018 Consultancy report: ‘Geometrical Tolerance and weight analyses of Mark Six Lottery Balls’ for The Hong Kong Jockey Club (P18-0435)
 - 2017 Consultancy report: ‘Geometrical Tolerance and weight analyses of Mark Six Lottery Balls’ for The Hong Kong Jockey Club (P16-0425)
 - 2016 Consultancy report: ‘Geometrical Tolerance and weight analyses of Mark Six Lottery Balls’ for The Hong Kong Jockey Club (P15-0397)
 - 2015 Expert report: ‘Expert advice on laser speed detectors’ for W.K. To & Co Solicitor & Notaries (P15-0156)
 - 2014 Consultancy report: ‘Geometrical Tolerance and weight analyses of Mark Six Lottery Balls’ for The Hong Kong Jockey Club (P13-0165)

- 2013 Consultancy report: 'Analysis, optimization and design of a sensor unit and a SSP structure for vibration protection' for The China Oilfield Service Limited (CA13-00183)
- 2012 Consultancy report: 'Geometrical Tolerance and weight analyses of Mark Six Lottery Balls' for The Hong Kong Jockey Club (CA12-00172)
- 2011 Consultancy report: 'SSP 减振结构力学特性研究' for The China Oilfield Service Limited (CA11-00190)
- 2007 Consultancy report: 'Vibration analysis of a vision machine for electronic component inspection' for ICOS Vision Systems Ltd. (ref: P07-0006)
- 2007 Expert report: 'Expert advice on laser speed detectors' for Rights of Taxi Owners and Drivers Association Ltd. (ref: P06-0430)
- 2006 Consultancy report: 'Analysis of the tensile strength of a safety device for residential aluminum windows' for King Tat Industrial Company (ref: P06-0009)
- 2003 Consultancy report: 'Vibration Test of a Dental Hygiene Apparatus' for Elite Electrical Instruments Ltd. (ref: P02-0538)
- 2002 Consultancy report: 'Evaluation of the acoustical cleaning performance of a sonic toothbrush device' for Fairform Mfg. Co. Ltd. (ref: R01-0132, P02-0003)
- 2001 Consultancy report: 'Evaluation of the acoustical cleaning performance of a sonic toothbrush device' for Elite Electrical Instruments Ltd. (ref: R01-0026V2)
- 2000 License Arrangement: 'Commercialization of a low cost internet controlled video monitoring system' with Coulomb Electronics Ltd. (ref: LA036)
- 1999 Consultancy report: 'Vibration analysis of a sonic toothbrush device' for Chiaphua Industries Ltd. (ref: RPP9046)
- 1997 Consultancy report: 'Mechanical vibration measurement and evaluation of motor stool assembly' for Jebsen & Co. Ltd. (ref: RS066/97)
- 1995 Consultancy report: 'Motor stool and support vibration design' for Jebsen & Co. Ltd.(ref: N374/95)
- 1992 Consultancy report: 'Analysis of tractor microswitch mounting bracket for KCRC', (ref: N225/92)