

## RESEARCH PUBLICATIONS

V. Rouillard

Dissertations	
2	Rouillard V. (2006) On the Synthesis of non-Gaussian Road Vehicle Vibrations. Ph.D. Thesis, Monash University, Melbourne, Australia.
1	Rouillard V. (1991) A Computer Controlled Random Wave Generator. Master's Thesis, Victoria University of Technology, Melbourne, Australia.
Monographs	
1	Rouillard V. (2003) Contact Pressure Distribution of All - Terrain Crane Tyres. ISBN: 1 877093 46 7. National Road Transport Commission, Melbourne, Victoria, Australia.
Peer-reviewed journal papers	
35	Garcia-Romeu M.A. & Rouillard V. (2010) On the Statistical Distribution of Road Vehicle Vibrations. Journal of Packaging Technology and Science (in press)
34	Rouillard V. & Sek M.A. Synthesizing Nonstationary, Non-Gaussian Random Vibrations. Journal of Packaging Technology and Science Vol 23(8), pp 423 - 487
33	Rouillard V. (2010) Statistical Models for Nonstationary and Non-Gaussian Road Vehicle Vibrations Engineering Letters, Volume 17 Issue 4, Pages 227 - 237
32	Rouillard V. (2010) Decomposing Pavement Surface Profiles into a Gaussian Sequence. Journal of Vehicle Systems Modelling and Testing Vol 4(4) pp 288 - 305
31	Lamb M. & Rouillard V. (2009) Some issues when using Fourier analysis for the extraction modal parameters. Proceedings of the 7 <sup>th</sup> International Conference on Modern Practice in Stress and Vibration Analysis, Cambridge, UK. Journal of Physics, Conference series V 181
30	Rouillard V. & Lamb M. (2009) On the influence of trigger level in distribution vibration surveys. Journal of Packaging Technology and Science Vol 22(4), pp 229 - 240
29	Bruck D., Ball M., Thomas I. and Rouillard V. (2008) How does the pitch and pattern of a signal affect auditory arousal thresholds? Journal of Sleep Research Vol 18(2), pp 196 - 203.
28	Rouillard V. (2008) Generating Road Vibration test Schedules from Pavement Profiles for Packaging Optimisation. Journal of Packaging Technology and Science, Vol 21(8), pp 501-514
27	Rouillard V. & Lamb M. (2008) On the Effects of Sampling Parameters when Surveying Distribution Vibrations. Journal of Packaging Technology and Science, Vol 21(8), pp 467-477
26	Sek M.A. and Rouillard V. (2007) Behaviour of Multi-layered Paperboard Cushioning Systems under Impact Loads. Strain Vol 43 (4) pp 345-347.
25	Garcia-Romeu-Martinez M.A., Sek, M.A., Rouillard V. & Cloquell-Ballester V.A. (2007) Interpreting Shock Data to Estimate Drop Height Levels During Handling. Journal of Applied Mechanics and Materials, Vol 7-8, pp 243-250.
24	Sek M.A., Rouillard V. & Parker A. (2007) Characterisation of non-linear behaviour of expanded polystyrene cushions. Journal of Applied Mechanics and Materials, Vol 7-8, pp 283-288.
23	Garcia-Romeu-Martinez M., Rouillard V., Sek M.A. & (2007) Monitoring the Evolution of Fatigue in Corrugated Paperboard under Random Loads. Journal of Applied Mechanics and Materials, Vol 7-8, pp 159-164.
22	Rouillard, V. and Richmond, R. (2007). A Novel Approach to Analysing and Simulating Railcar Shock and Vibrations. Journal of Packaging Technology and Science, Vol 20(1), pp 17-26
21	Rouillard V. (2006) Monitoring Distribution Hazards. Journal of the Engineering Integrity Society, Issue 19, March 2006, pp 6 - 11.
20	Sek M.A., Rouillard V., Crawford S., and Tarash H. (2005) Enhancing cushion properties with multi-layered paperboard. Journal of Packaging Technology and Science, Vol 18(5), pp 373 - 278.

19	Rouillard V. and Sek M.A. (2005) The use of intrinsic mode functions to characterise shock and vibrations in the distribution environment. <i>Journal of Packaging Technology and Science</i> , Vol 18 (1), pp 39 - 51.
18	Sek M.A. and Rouillard V. (2005) Behaviour of Multilayered Paperboard Cushioning Systems under Impact Loads. <i>Journal of Applied Mechanics and Materials</i> , Vol 3-4, pp 383 -388.
17	Rouillard V. (2004) Using predicted ride quality to characterise pavement roughness. <i>International Journal of Vehicle Design</i> V36 (2 - 3), pp 116 - 131.
16	Do T., Leonart G.T. and Rouillard V. (2004) Generating breaking waves with Gaussian wave packets. <i>ASCE Journal of Waterway, Port, Coastal and Ocean Engineering</i> Vol 130, (2), pp 104 - 108.
15	Crawford S., Rouillard V. and Sek M.A. (2004) The dynamic behaviour of stacked shipping units during transport - part 1: model validation. <i>Journal of Packaging Technology and Science</i> , Vol 17 (5), pp 237 - 247.
14	Rouillard V. and Sek M.A. (2002) Statistical modelling of predicted non - stationary vehicle vibrations. <i>Journal of Packaging Technology and Science</i> , Vol 15 (2), pp 93 -101.
13	Rouillard V. and Hildebrandt M. (2002) Remote monitoring of vehicle shock and vibrations. <i>Journal of Packaging Technology and Science</i> , Vol. 15 (2), pp 83 - 92.
12	Rouillard V. and Sek M.A. (2002) A statistical model for longitudinal road topography. <i>Road and Transport Research</i> , ARRB. Vol 11, (23) pp 17 - 23.
11	Rouillard V. (2002) Excitation Techniques for Resonance Analysis of Packages. <i>Journal of Packaging Technology and Science</i> Vol 15 (5), pp 267 - 274.
10	Rouillard V. and Sek M.A. (2001) The simulation of non - stationary vehicle vibrations. <i>Proceedings of the Institution of Mechanical Engineers, Part D Journal of Automobile Engineering</i> Vol215, pp 1069 - 1075.
9	Rouillard V., Sek M.A. and Bruscella B. (2001) Simulation of Road Surface Profiles. <i>ASCE Journal of Transportation Engineering</i> , Vol 127 (3), pp 247 - 253.
8	Sek M.A., Minett M., Rouillard V. and Bruscella B. (2000) A New Method for the Determination of Cushion Curves. <i>Journal of Packaging Technology and Science</i> , Vol 13, pp 249 - 255.
7	Rouillard V. and Sek M.A. (2000) A Frequency Domain Technique for Maintaining Resonance Condition During Sine Dwell Testing of Packages. <i>Journal of Packaging Technology and Science</i> , Vol 13, pp 227 - 232.
6	Rouillard V. and Sek M.A. (2000) Monitoring and Simulation of Non - stationary Vibrations for Package Optimisation. <i>Journal of Packaging Technology and Science</i> , Vol 13, pp 149 - 156.
5	Rouillard V., Sek M.A. and Bruscella B. (2000) Classification of Road Profiles. <i>ASCE Journal of Transportation Engineering</i> , Vol 126, (1), pp 41 - 45.
4	Bruscella B., Rouillard V. and Sek M.A. (1999) Analysis of Road Profiles. <i>ASCE Journal of Transportation Engineering</i> Vol. 125 (1), pp 55 - 59.
3	Rouillard V., Sek M.A. and Perry T. (1996) The Analysis and Simulation of Road Profiles. <i>ASCE Journal of Transportation Engineering</i> , vol. 122, (3), pp 241 - 245.
2	Rouillard V. and Leonart G.T. (1994) A Spectral Feedback Compensation Technique for the Generation of Random Wave Fields. <i>Journal of Mechanical Engineering Science</i> , vol.208, pp 105 - 112.
1	Sek M.A. and Rouillard V. (1993) Application of Frequency Domain Analysis in Testing of Packages. <i>Packaging Technology and Science</i> Vol.6, pp 3 - 12.
Peer-reviewed conference papers	
23	Rouillard V & Sek M.A. (2010) A Practical Method for Estimating Ground Vehicle Frequency Response Function from Response Data. <i>Proceedings of the sixth Australian Congress on Applied Mechanics</i> , Perth , Australia. (Proceedings on disk)
22	Lamb M, Rouillard V & Ainalis D. (2010) A multi-resolution time domain technique for monitoring fatigue progression in elements subjected to random loads. <i>Proceedings of the sixth Australian Congress on Applied Mechanics</i> , Perth , Australia. (Proceedings on disk)
21	Lamb M, Rouillard V & Ainalis D. (2010) A practical study of Fourier analysis for monitoring fatigue progression in elements subjected to random loads. <i>Proceedings of the sixth Australian Congress on Applied Mechanics</i> , Perth , Australia. (Proceedings on disk)

20	Lamb M, Rouillard V & Ainalis D. (2010) An Adaptive Impulse Response Technique for Evaluating the Performance of Structural Elements. Proceedings of the 21st Australian Conference on the Mechanics of Structures and Materials, Melbourne, Australia pp 769 - 773
19	Lamb M, Rouillard V & Ainalis D. (2010) A Practical Approach to Fourier Analysis for Monitoring Structural Integrity. Proceedings of the 21st Australian Conference on the Mechanics of Structures and Materials, Melbourne, Australia pp763 - 768
18	Rouillard V. & Sek M. (2009) A Method for the Laboratory Synthesis of Non-Gaussian Vehicle Vibrations. Proceedings of SimtectT 2009 Simulation conference, Adelaide, Australia.
17	Finlay A., Rouillard V., McAndrew A. & Zayegh A. (2009) Novel Encoding and Fiducial Techniques for Visual Positioning Beacons. Proceedings of the 4 <sup>th</sup> International Conference on Autonomous Robots & Agents, Wellington, New Zealand.
16	Rouillard V. (2008) Decomposing pavement profile data into a Gaussian sequence. Proceedings of the 23rd Australian Road Research Board Conference, Adelaide, Australia.
15	Rouillard V. (2007) The synthesis of road vehicle vibrations based in the statistical distribution of segment lengths. Proceedings of the 5 <sup>th</sup> Australasian Congress on Applied Mechanics, Brisbane, Queensland, Australia, pp 614-619.
14	Rouillard V., Sek M.A. & Lamb, M. (2007) Monitoring fatigue progression in cushions subjected to random loads. Proceedings of the 5 <sup>th</sup> Australasian Congress on Applied Mechanics, Brisbane, Queensland, Australia, pp 331-336.
13	Garcia-Romeu-Martinez M.A., Sek, M.A., Rouillard V. & Cloquell-Ballester V.A. (2007) Interpreting Shock Data to Estimate Drop Height Levels During Handling. Proceedings of the 5 <sup>th</sup> BSSM International Conference on Advances in Experimental Mechanics, Manchester, U.K. V 7-8, pp 243-250.
12	Sek M.A., Rouillard V. & Parker A. (2007) Characterisation of non-linear behaviour of expanded polystyrene cushions. Proceedings of the 5th BSSM International Conference on Advances in Experimental Mechanics, Manchester, U.K. V 7-8, pp 283-288.
11	Garcia-Romeu-Martinez M., Rouillard V., Sek M.A. & (2007) Monitoring the Evolution of Fatigue in Corrugated Paperboard under Random Loads. Proceedings of the 5th BSSM International Conference on Advances in Experimental Mechanics, Manchester, U.K. V 7-8, pp 159-164.
10	Rouillard V. (2007) On the non-Gaussian nature of Random Vehicle Vibrations. Proceedings of the International Conference on Mechanical Engineering, London, UK, pp 1219-1224.
9	Rouillard V. (2007) On the Statistical Distribution of Segment lengths of Road Vehicles Non-Stationary Vibrations. Proceedings of the International Conference on Mechanical Engineering, London, UK, pp 1263-1268.
8	Garcia-Romeu-Martinez M.A., Rouillard V. & Cloquell-Ballester V.A. (2007) A Model for the Statistical Distribution of Road Vehicle Vibrations. Proceedings of the International Conference on Mechanical Engineering, 2007, London, UK, pp 1225-1230.
7	Costanzi M., Rouillard V. and Cebon D. (2006) Effects of Tyre Contact Pressure Distribution on the Deformation Rates of Pavements. Proceedings of the 9th International Symposium on Heavy Vehicle Weights and Dimensions, Pen State University, Pa., USA, pp 561-572.
6	Finlay A., Rouillard V. and Wingate M. (2005) Pattern Recognition Techniques for Long - Range Vehicle Position Tracking. Proceedings of the Coasts and Ports Australasian Conference, Adelaide, Australia, pp 155-159.
5	Sek M.A. and Rouillard V. (2005) Behaviour of Multilayered Paperboard Cushioning Systems under Impact Loads. Proceedings of the International Conference on Advances in Experimental Mechanics, Southampton, U.K., V 3-4, pp 383 -388.
4	Rouillard V., Sek M.A. and Parker A. (2005) Characterising the Non-linear Behaviour of Polymeric Foam Cushions. Proceedings of the twelfth International Conference on Composite Engineering - Tenerife, Spain.
3	Parker A., Rouillard V. and Sek M.A. (2005) Using non - linear techniques to characterise cushioning material. Proceedings of the 4th Australasian Congress on Applied Mechanics, Melbourne, Australia pp 739 - 744.

2	Crawford S., Rouillard V. and Sek M.A. (2005) The Dynamic Behaviour of Stacked Shipping Units During Transport. The 4th Australian Congress on Applied Mechanics Melbourne, Australia pp 311 - 316.
1	Rouillard V., Smit B. and He J. (1993) A Computer Controlled Wave Energy Conversion Device. Proceedings of the Maritime Technology Conference, Melbourne, Australia, Vol.2, pp 19.
Conference papers	
61	Rouillard V & Sek M.A. (2010) How Can my Controller Produce More Realistic Random Vibrations? Second European Packaging Symposium, Valencia, Spain
60	Rouillard V & Sek M.A. (2010) A Novel Method for Simulating Transport Vibrations. 17th International Association of Packaging Research Institutes' World Conference on Packaging, Tianjin, China.
59	Rouillard V & Sek M.A. (2010) A Practical Method for Estimating Ground Vehicle Frequency Response Function from Response Data. 17th World Conference on Packaging, Tianjin, China.
58	Rouillard V. & Sek M. (2010) Synthesizing nonstationary, non-gaussian wheeled vehicle vibrations. Proceedings of the 11th International Heavy Vehicle Symposium (HVTT11), Melbourne, Australia.
57	Lamb M. & Rouillard V. (2009) Adaptive Impulse Response for Determining Damage during Fatigue Testing. Proceedings of the SEM Annual Conference & Exposition on Experimental and Applied Mechanics, Albuquerque, NM, USA.
56	Lamb M. & Rouillard V. (2009) Limitations of Fourier-Based Spectral Analysis for Monitoring Structural Integrity. Proceedings of the SEM Annual Conference & Exposition on Experimental and Applied Mechanics, Albuquerque, NM, USA.
55	Sek M. Rouillard V. (2009) Synthesizing of Non-Gaussian Vibrations for Performance Evaluation of Packaging Systems. Proceedings of the 24th International Association of Packaging Research Institutes' Symposium on Packaging, Greenville, NC, USA.
54	Rouillard V. & Sek M. (2009) On the Elevated Kurtosis of Vehicle Vibration. Proceedings of the 24th International Association of Packaging Research Institutes' Symposium on Packaging, Greenville, NC, USA.
53	Bruck, D., Ball, M., Thomas I. and Rouillard V. (2008) Auditory arousal thresholds as a function of sounds of different pitches and patterns. 19th Congress of the European Sleep Research Society, Glasgow, UK. (Poster presentation).
52	Gracia-Romeu M.A. & Rouillard V. (2008) On the statistical distribution of road vehicle vibrations. Proceedings of the 16th IAPRI World Conference on Packaging, Bangkok, Thailand.
51	Rouillard V. & Lamb M. (2008) On the Effects of trigger level when undertaking distribution vibration surveys. Proceedings of the 16th IAPRI World Conference on Packaging, Bangkok, Thailand.
50	Garcia-Romeu-Martinez M.A. & Rouillard V. (2007), Transport Vibration Analysis for Laboratory Simulation and Package Optimisation (Análisis de vibraciones en el transporte para su simulación en laboratorio y optimización de embalajes). Proceedings of 1er congreso logística y gestion de la cadena de suministro, Zaragoza, Spain.
49	Rouillard V. (2007) Techniques for Laboratory Simulation of Distribution Vibrations. Proceedings of the International Technical Conference on Packaging and Distribution, September 2007, Valencia, Spain <b>Invited Keynote Speaker.</b>
48	Rouillard V., Garcia-Romeu-Martinez M.A., Sek M.A. & Lamb M. (2007) A Method for Evaluating Progressive Damage in Packaging Containers under Dynamic Compression. Proceedings of the International Assoc. of Packaging Research Institute's 23rd Symposium on Packaging, September 2007, Windsor, U.K.
47	Rouillard V. & Lamb M. (2007) On the Effects of Sampling Parameters when Surveying Distribution Vibrations. Proceedings of the International Assoc. of Packaging Research Institute's 23rd Symposium on Packaging, September 2007, Windsor, U.K.
46	Sek M.A., Parker A. & Rouillard V. (2007) Comparison of Vibration Response Spectrum with Linear and Reverse-MISO Frequency Response Functions for Non-linear Cushioning Systems. Proceedings of the 13th International Conference on Experimental Mechanics (ICEM13), Alexandroupolis, Greece, July 2007 pp 155-156.

45	Sek M.A., Rouillard V. & Garcia-Romeu-Martinez M.A. (2007) Modelling And Experimental Investigation of A Composite Cushion Under Impact Loading. Proceedings of the 13th International Conference on Experimental Mechanics (ICEM13), Alexandroupolis, Greece, July 2007, pp 285-286.
44	Parker A., Sek M.A. & Rouillard V. (2007) The Non-linear Characteristics of Cushioning Materials. Proceedings of the 13th International Conference on Experimental Mechanics (ICEM13), Alexandroupolis, Greece, July 2007, pp 157-158.
43	Rouillard V. (2007) On the Statistical Distribution of Segment lengths of Road Vehicles Non-Stationary Vibrations. Proceedings of the 13th International Conference on Experimental Mechanics (ICEM13), Alexandroupolis, Greece, July 2007, pp 549-550. (Full paper on CD).
42	Rouillard V. (2007) Gaussian Decomposition of Non-Stationary Random Vehicle Vibrations. Proceedings of the 13th International Conference on Experimental Mechanics (ICEM13), Alexandroupolis, Greece, July 2007, pp 546-548 (Full paper on CD).
41	Garcia-Romeu-Martinez M.A. & Rouillard V. (2007) The Statistical Distribution of the Root-Mean-Square of Road Vehicles Vibrations. Proceedings of the 13th International Conference on Experimental Mechanics (ICEM13), Alexandroupolis, Greece, July 2007, pp 551-552. (Full paper on CD).
40	Rouillard V., Piechota R, Barnewall, G. & Barber K. (2007) Verification of Mechanical Support for Cables Used on Bridge Structures at Dilation Points. Proceedings of the 7th International Conference on Insulated Power Cables, SEE, Versailles, France, June 2007, pp 506-511.
39	Rouillard V. (2007) Decomposing Non-Stationary Random Vibration Data into Gaussian Elements. Proceedings of Dimensions 2007, The International Forum on Transportation Packaging, International Safe Transit Association, Orlando, Florida, March 2007 (in press). <b>Invited keynote speaker.</b>
38	Parker A., Rouillard V. and Sek M.A. (2006) The non-linear characteristics of cushioning material. Proceedings of the 15th IAPRI world conference on packaging, Tokyo, Japan, pp 42-47.
37	Sek M.A. and Rouillard V. (2006) High-speed videographic study of engineered composite paperboard cushioning systems. Proceedings of the 15th IAPRI world conference on packaging, Tokyo, Japan, pp 258-262.
36	Rouillard V. (2006) A method for identifying the Gaussian components of random non-stationary vehicle vibrations. Proceedings of the 15th IAPRI world conference on packaging, Tokyo, Japan, pp 427-432.
35	Rouillard V. (2006) A New Approach to Analysing and Simulating Railcar Shock and Vibrations. Dimensions 2006 International Safe Transit Association, San Antonio, Texas, USA. <b>Invited keynote speaker.</b>
34	May D.M., Sek M.A. and Rouillard V. (2005) Experimental Study of a Hydrogen Assisted Diesel Generator Engine Equipped with a Proprietary Gas-Liquid Mixer. Keynote paper, Second European Hydrogen Energy Conference - Zaragoza, Spain.
33	Rouillard V. and Sek M.A. (2005) Characterising Non - Stationary Railcar Vibrations with Intrinsic Mode Functions. Proceedings of the Society for Experimental Mechanics Annual Conference on Experimental and Applied Mechanics, Portland, Oregon, USA.
32	Parker A., Rouillard V. and Sek M.A. (2005) Characterising the Non - linear Behaviour of Cushioning Materials. Proceedings of the Society for Experimental Mechanics Annual Conference on Experimental and Applied Mechanics, Portland, Oregon, USA.
31	Rouillard, V. and Richmond R. (2005) Observations on the Nature of Railcar Shock and Vibrations. 22nd IAPRI Symposium, Campinas, São Paulo, Brazil (CD).
30	May D., Sek M.A., Rouillard V. and Golde T. (2005) Experimental study of a hydrogen assisted diesel generator engine equipped with a proprietary gas - liquid mixer. National Hydrogen Association Annual Conference, Washington D.C. (Poster presentation)
29	Rouillard V., Sek M.A. and Koss L. (2004) Empirical Mode Decomposition Techniques for Characterising Shock and Vibrations in the Distribution Environment. Proceedings of the 14th IAPRI World Conference. Stockholm, Sweden.
28	Rouillard V., Sek M.A. and Crawford S. (2004) The Dynamic Behaviour of Stacked Shipping Units During Transport: Nonlinear Simulation and Impacts. 14th IAPRI World Conference. Stockholm, Sweden. (Poster presentation).

27	Rouillard V. and Sek M.A. (2003) Generating road vibration test schedules from pavement profiles for packaging optimisation. Proceedings of the 21st IAPRI Symposium on Packaging, Valencia, Spain.
26	Rouillard V., Crawford S. and Sek M.A. (2003) The dynamic behaviour of stacked shipping units during transport - part 1: linear simulation. Proceedings of the 21st IAPRI Symposium on Packaging, Valencia, Spain.
25	Sek M.A., Rouillard V., Crawford S., and Tarash H. (2003) The use of the crumple zone in corrugated paperboard cushions for improved shock protection. Proceedings of the 21st IAPRI Symposium on Packaging, Valencia, Spain.
24	Rouillard V. (2002) Monitoring, Control and Simulation of Distribution Hazards (French). Proceedings of Research Seminar on Packaging Innovations, Food Research and Development Centre, St. Hyacinthe, Quebec, Canada. <b>Invited keynote speaker.</b>
23	Rouillard V. (2002) Excitation Techniques for Resonance Analysis of Packages. Proceedings of the 13th IAPRI World Conference on Packaging, East Lansing, Michigan, USA, pp 559 - 568.
22	Sek M.A. and Rouillard V. (2002) Multi - layered Cushion Design for Improved Protection During Distribution. 13th IAPRI World Conference on Packaging, East Lansing, Michigan, USA. (Poster presentation).
21	Rouillard V. (2002) A review of Road Profilometry. Guest speaker - The Inaugural Geotechnical and Pavement Engineering Conference, Melbourne Australia. <b>Invited keynote speaker.</b>
20	Rouillard V. (2002) Remote monitoring of distribution hazards. Proceedings of the Australian Institute of Packaging's National Conference, Melbourne.
19	Do T., Leonart G.T. and Rouillard V. (2001) Generating breaking waves with Gaussian wave packets. Proceedings of the International conference on engineering for ocean and offshore structures, Singapore, pp 46 - 54.
18	Rouillard V., Sek M.A. and Wrzesinski M.W. (2001) Statistical modelling of predicted non - stationary vehicle vibrations for simulation purposes. Proceedings of the 12th IAPRI World Conference on Packaging, Warsaw, Poland.
17	Rouillard V. and Hildebrandt M. (2001) Remote monitoring of vehicle shock and vibrations. Proceedings of the 12th IAPRI World Conference on Packaging, Warsaw, Poland.
16	Rouillard V. and Sek M.A. (2000) Evaluating ride quality from road surface profiles. Presented at the Road Profilers User Group Conference, Auburn, Alabama, USA,
15	Rouillard V. and Sek M.A. (2000) The statistical interpretation of road surface roughness characteristics. Proceedings of the first European conference on Pavement Management Systems, Budapest.
14	Rouillard V. and Sek M.A. (2000) Monitoring and Simulation of non - stationary vehicle vibrations. Proceedings of the 20th IAPRI symposium, San Jose, Cal, USA, pp 78 - 87.
13	Sek M.A., Minett M., Rouillard V. and Bruscella B. (2000) A new accelerated method for shock absorbing characterisation of cushioning materials for packaging. Proceedings of the 20th IAPRI symposium, San Jose, Cal, USA, pp 2 - 13.
12	Rouillard V. (1999) A self - contained impact force - sensing device for packaging and handling applications. 10th World Congress of Food Science and Technology. 3- 8, Sydney, Australia. (Poster presentation).
11	Rouillard V. (1999) A self - contained impact force - sensing device for packaging and handling applications. Proceedings of the 11th IAPRI world conference on Packaging, Singapore, pp 615 - 623.
10	Rouillard V. (1999) Recent Advances in the Analysis and Simulation of Road - Related Shock and Vibrations. Proceedings of the 1999 International Safe Transit Association Conference, Orlando, Florida, section 2, pp 1 - 6. <b>Invited keynote speaker</b>
9	Rouillard V., Sek M.A. and Bruscella B. (1999) The Simulation of Road Profiles. Proceedings of the International Conference on Applications of Modal Analysis, Gold Coast, Australia.
8	B. Bruscella, Rouillard V. and Sek M.A.. (1998) A Method for the Universal Classification of Road Profiles for Laboratory Evaluation of Package Performance. Proceedings of the 19th IAPRI Symposium, Rochester, New York, USA, section 5, pp 1 - 13.

7	Do T., Leonart G.T., Tran D. and Rouillard V. (1997) Producing Gaussian Wave Packets in a Flume Using a Spectral Feedback Control technique. Proceedings of the 3rd International Conference on Modelling and Simulation, Melbourne Australia, pp 380 - 385.
6	Bruscella B., Rouillard V. and Sek M.A.. (1997) Road Profile Analysis for Package Performance Testing. Proceedings of the 10th IAPRI world conference on packaging, Melbourne, Australia, pp 577 - 584.
5	Sek M.A., Rouillard V. and Bruscella B. (1997) Limitations of Standard Procedures for Performance Testing of Protective Packaging for Transportation. Proceedings of the 10th IAPRI world conference on packaging, Melbourne, Australia, pp 569 - 574.
4	Rouillard V., Sek M.A. and Perry T. (1994) The Analysis and Simulation of Road Profiles. Proceedings of the 17th symposium of the International Association of Packaging Research Institutes, Reims, section 6, pp 1-7.
3	Marcondes J., Sek M.A. and Rouillard V. (1993) Testing Foamed Polymeric Materials for Mechanical Protection of Packaged Goods. Proceedings of the 2nd. Brazilian Polymer Conference, Sao - Paolo, vol 2, pp 1126-1128.
2	Sek M.A. and Rouillard V. (1993) Resonance Frequency Tracking in Sine Dwell Testing of Packages. Proceedings of the International Association of Packaging Research Institute 8th World Conference on Packaging, Sao Paolo, Vol.1, pp 191 - 197.
1	Sek M.A. and Rouillard V. (1992) Application of frequency domain analysis in testing of packages. Proceedings of the 16th symposium of the International Association of Packaging Research Institutes, Taastrup, Denmark.
Guest lectures and seminars	
8	Rouillard V. (2009) On the evaluation of Mechanical Characteristics of Overhead Conductors. Olex Nexans Technical Meeting, Melbourne, Australia. <b>Invited keynote Speaker.</b>
7	Rouillard V. and Sek M.A. (2009) The Use of Pavement Profiles to Generate Product Survivability Tests. Institute of Advance Learning and Research, Virginia Tech, Danville, VA, USA.
6	Rouillard V. (2006) Laboratory Synthesis of Road Vehicle Vibrations. Department of Mechanical Engineering, Monash University.
5	Rouillard V. (2005) Engineering Cushioning Systems for Distribution Packaging. Department of Engineering, University of Cambridge.
4	Rouillard V. and Sek, M.A. (2005) Packaging for Distribution. Technical Institute for Packaging, Transport and Logistics (ITENE), Valencia, Spain.
3	Rouillard V. (2004) Characterising non-stationary vibrations with Intrinsic Mode Functions. Department of Mathematics, La Trobe University - Bendigo.
2	Rouillard V. (1998) A Method for the Universal Classification of Road Profiles. University of Michigan Transport Research Institute (UMTRI).
1	Rouillard V. (1998) A Method for the Analysis of Road Profiles. Pennsylvania Transport Institute, Pennsylvania State University.
Magazine articles and editorials	
3	Sek M., and Rouillard V. (2003) An environment - friendly paperboard based cushioning system. Industry TechLink Newsletter Issue 7.
2	Rouillard V. (2000) Impact monitoring. Editorial in What's new in Process Engineering, Vol. 13 No. 83, p33.
1	Rouillard V. (1999) Impact monitoring. Editorial in What's new in Food Technology and Manufacturing, Vol. 7 No. 3, p10,
Review of scholarly articles	
Experimental Techniques	
Sixth Australian Congress on Applied Mechanics (2 articles)	
21st Australasian Conference on the Mechanics of Structures and Materials (5 articles)	
Journal of Testing and Evaluation [American Institute of Physics] (1 article)	





		Year	Data Collection	RAI	Impact Factor
Participation					
Sole		2006			
Sole		1991			
Participation					
Sole		2003			
Participation	Journal Rank				
High	B	2011		1	
High	B	2010		1	<b>1.00</b>
Sole	n/a	2010		0	
High	B	2009	submitted	2	<b>4.00</b>
High	C	2009	y		
High	B	2009	y	1	
Medium	A	2009	y	1	
High	B	2008	y	2	<b>4.00</b>
High	B	2008	y	2	
High	n/a	2007	y	0.5	0.535
Low	n/a	2007	y	0.25	
Low	n/a	2007	y	0.3333	
Low	n/a	2007	y	0.3333	
High	B	2007	y	0.5	0.552
Sole	n/a	2006	y	1	
Low	B	2005		0.25	0.552

High	B	2005	0.5	0.552
High	n/a	2005	0.5	
Sole	A	2004	1	0.34
High	A	2004	0.333	0.493
High	B	2004	0.333	0.552
High	B	2002	0.5	0.552
High	B	2002	0.5	0.552
High	B	2002	0.5	
Sole	B	2002	1	0.552
High	B	2001		
High	C	2001		0.322
Low	B	2000		0.552
High	B	2000		0.552
High	B	2000		0.552
High	C	2000		0.322
High	C	1999		0.322
High	C	1996		0.322
High	B	1994		
High	B	1993		0.552
Participation				
High		2010	2	<b>6.00</b>
High		2010	1.33	
High		2010	1.33	

High	
High	
High	
Medium	
Sole	
Sole	
High	
Low	
Low	
High	
Sole	
Sole	
High	
Medium	
Medium	
Medium	
Low	
Medium	

2010		0.67	
2010		0.67	
2009	y	0.13	<b>0.20</b>
2009	y	0.078	
2008	y	0.25	<b>0.25</b>
2007	y	1	
2007	y	0.333	
2007	See paper	See paper	
2007	See paper	See paper	
2007	See paper	See paper	
2007	y	1	
2007	y	1	
2007	y	0.25	
2006	y	0.3333	
2005		0.3333	
2005		0.5	
2005		0.3333	
2005		0.3333	

3.583

High	
High	
Participation	
High	
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High	
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High	
Sole	
High	
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Low	

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Low		2007
Low		2007
Sole		2007
Sole		2007
High		2007
High		2007
Sole		2007
Low		2006
Medium		2006
Sole		2006
Sole		2006
Medium		2005
High		2005
Medium		2005
High		2005
Low		2005
High		2004
High		2004

High		2003
High		2003
Low		2003
Sole		2002
Sole		2002
Medium		2002
Sole		2002
Sole		2002
High		2001
High		2001
High		2001
High		2000
High		2000
High		2000
Low		2000
Sole		1999
Sole		1999
Sole		1999
High		1999
High		1998

Medium	
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Medium	
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Low	
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Participation	
Sole	
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