

CV – Summary

Dr Bryan Found

Academic Qualifications

- 1997 Doctor of Philosophy, La Trobe University. Thesis titled ‘The Forensic Analysis of Behavioural Artefacts: Methodological and Analytical Approaches to Forensic Handwriting Science’.
- 1992 Graduate Diploma in Neurosciences, La Trobe University (specialising in human sensory and motor systems associated with handwriting production).
- 1988 Diploma in Education (Biology and Chemistry), Monash University.
- 1985 Bachelor of Science (Physiology and Biochemistry), Griffith University, Queensland.

Positions Currently Held

Director, Signature & Handwriting Forensics Pty Ltd.

Forensic Officer (6), Document Examination Unit, Digital and Document Evidence Branch, Chemistry Division, Victoria Police Forensic Services Department (VPFSD)
Duties have included:

- Management of the Unit and its resources.
- Management of the examination of casework.
- The examination of handwritten images, machine generated images and other aspects of documentary evidence.
- Management of quality systems and training program.
- The preparation of laboratory reports and statements.
- The presentation of evidence to investigators and to the courts.

Since 1990 Bryan has given evidence, and been accepted as an expert in this field, in the Family, Magistrates, County and Supreme courts of Victoria, the Magistrates court of Tasmania and the Supreme court of New South Wales in both civil and criminal matters.

Senior Research Fellow, School of Human Biosciences, La Trobe University. Head of the Forensic Expertise Profiling Laboratory. Duties include;

- Undertaking research into the motor control of handwriting and its forensic applications.

- The design, manufacture, delivery and analysis of forensic signature and handwriting proficiency and validation studies. Participants have included forensic laboratories and experts in Australasia, America, Canada and Europe.
- Supervision of graduate research projects. Currently Dr Found supervises three PhD by research students. All graduate students are also qualified Forensic Document Examiners.

Publications

Bryan is a leader in forensic signature and handwriting comparison research internationally. His publications include refereed journal articles, full conference papers and book chapters.

Refereed journal articles and book chapters

Mohammed, L., Found, B., Caligiuri, M, Rogers, D. Can dynamic features be used to discriminate between genuine, auto-simulated, and simulated signatures. *Journal of Forensic Sciences*, in press.

Bird, C., Found, B., Ballantyne, K. & Rogers, D. Forensic handwriting examiners' opinions on the process of production of disguised and simulated signatures, *Forensic Science International* 195 (2010) 103-107.

Bird, C., Found, B. & Rogers, D. Forensic handwriting examiners' skill in distinguishing between natural and disguised handwriting behaviours, *Journal of Forensic Sciences*, 55, 5, 1291-1295.

Found, B. *The Forensic Examination of Handwritten Text and Signatures*, Wiley Encyclopaedia of Forensic Science (2009) Allan Jamieson (Editor), Andre Moenssens (Co-Editor).

Dewhurst, T., Found, B. & Rogers, D. (2008). Are expert penmen better than lay people at producing simulations of a model signature? *Forensic Science International*, 180, 50-53.

Dyer, A.G., Found, B. & Rogers, D. (2008). An insight into forensic document examiner expertise for discriminating between forged and disguised signatures. *Journal of Forensic Sciences*, 53 (5), 1154-1159.

Found, B. & Rogers, D. (2008). The probative character of forensic handwriting examiners' identification and elimination opinions on questioned signatures. *Forensic Science International*, 178(1): 54-60.

Dyer, A.G., Found, B. & Rogers, D. (2008). An insight into forensic document examiner expertise for discriminating between forged and disguised signatures. *Journal of Forensic Sciences*, 53, 5, 1154-1159.

Mohammed, L., Found, B. & Rogers, D. (2008). Frequency of signatures styles in San Diego County. *Journal of the American Society of Questioned Document Examiners*, 11 (1), 9-13.

Dewhurst, T., Found, B. & Rogers, D. (2007). The relationship between quantitatively modelled signature complexity levels and forensic document examiners' qualitative opinions on casework. *Journal of Forensic Document Examination*, 18, 21-40.

Dyer, A.G., Found, B. & Rogers, D. (2006). Visual attention and expertise for forensic signature analysis. *Journal of Forensic Sciences*, 51 (6), 1397-1404.

Found, B. & Rogers, D.K. (2005). Investigating forensic document examiners' skill relating to opinions on photocopied signatures. *Science & Justice*, 45 (4), 199-206.

Sita, J., Found, B. & Rogers, D. (2004). A model using quantitative data for forensic signature identification. *Journal of Forensic Document Examination*, 16, 91-101.

Sita, J., Found, B. & Rogers, D. (2004). A quantitative analysis of the spatial properties of questioned signatures and the relationship to forensic document examiners' opinions. *Journal of Forensic Document Examination*, 16, 77-89.

Black, D., Found, B. & Rogers, D. (2003). The frequency of the occurrence of handwriting performance features used to predict whether questioned signatures are simulated. *Journal of Forensic Document Examination*, 15, 17-28.

Found, B. & Rogers, D. (2003). The initial profiling trial of a program to characterise forensic handwriting examiners' skill. *Journal of the American Society of Questioned Document Examiners*, 6, 72-81.

Sita, J., Found, B. & Rogers, D. (2002). Forensic handwriting examiners' expertise for signature comparison. *Journal of Forensic Sciences*, 47, 1117-1124.

Found, B., Rogers, D., & Herkt, A. (2001). Comparison of document examiners' opinions on original and photocopied signatures. *Journal of Forensic Document Examination*, 14, 1-13.

Found, B., Rogers, D., & Herkt, A. (2001). The skill of a group of forensic document examiners in expressing handwriting and signature authorship and production process opinions. *Journal of Forensic Document Examination*, 14, 15-30.

Found, B., Sita, J. & Rogers, D. (1999). The development of a program for characterising forensic handwriting examiners' expertise: Signature examination pilot study. *Journal of Forensic Document Examination*, 12, 69-80.

Haines, K., Phillips, J.G., Rogers, D. & Found, B. (2001). The ability to distinguish handwriting samples on the basis of writers' age and gender. *Journal of Forensic Document Examination*, 14, 31-51.

Dick, D., Found, B. & Rogers, D. (2000). The forensic detection of deceptive behaviour using handwriting movements. *Journal of Forensic Document Examination*, 13, 15- 24.

Found, B. & Rogers, D. (1999). Documentation of forensic handwriting comparison and identification method: A modular approach. *Journal of Forensic Document Examination* , 12, 1 - 68.

Found, B. Rogers, D., & Metz, H. (1999). The objective static analysis of spatial errors in simulations. *Journal of Forensic Document Examination*, 12, 81- 99.

Found, B., Sita, J. & Rogers, D. (1999). Forensic handwriting examiners' expertise: Signature examinations. *Proceedings of the Ninth Biennial Conference of the International Graphonomics Society*, 209-212.

Found, B. & Rogers, D. (1998). A consideration of the theoretical basis of forensic handwriting examination: The application of "Complexity Theory" to understanding the basis of handwriting identification. *International Journal of Forensic Document Examiners*, 4, 109 - 118.

Found, B., Rogers, D., Rowe, V. & Dick, D. (1998). Statistical modelling of experts' perceptions of the ease of signature simulation. *Journal of Forensic Document Examination*, 11, 75 - 102.

Found, B., Rogers, D. & Schmittat, R. (1998). 'Matrix Analysis': A technique to investigate the spatial properties of handwritten images. *Journal of Forensic Document Examination*, 11, 54 - 74.

Found, B. Rogers, D. & Schmittat, R. (1997). Recovering dynamic information from static handwriting traces using angular differential software. *Journal of Questioned Document Examination*, 6, 17-38.

Found, B. & Rogers, D (1996). The forensic investigation of signature complexity. In M. Simner, G. Leedham & A. Thomassen (Eds.), *Handwriting and Drawing Research: Basic and Applied issues*, (pp. 483 - 492). Amsterdam: IOS Press.

Rogers, D. & Found, B. (1996). The objective measurement of spatial invariance in handwriting. In M. Simner, G. Leedham & A. Thomassen (Eds.), *Handwriting and Drawing Research: Basic and Applied issues*, (pp. 3 - 13). Amsterdam: IOS Press.

Found, B. & Rogers, D. (1995). Contemporary issues in forensic handwriting examination. A discussion of key issues in the wake of the Starzecpyzel decision. *Journal of Forensic Document Examination*, 8, 1-31.

Found, B., Dick, D. & Rogers, D.K. (1994). The structure of forensic handwriting and signature comparisons. *Forensic Linguistics: International Journal of Speech Language and the Law*, 1, 183 - 196.

Found, B., Rogers, D. & Schmittat, R. (1994). A computer program designed to compare the spatial elements of handwriting. *Forensic Science International*, 68, 195-203.

Conference Abstracts

Jones, L., Found, B. Forensic handwriting examiners' skill in associating digitally altered non-original signatures, Proceedings of the 20th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Sydney, September, 2010.

Bird, C., Found, B., Rogers, D. Forensic handwriting examiners skill in detecting disguise and simulation behaviour from handwritten text samples, Proceedings of the 20th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Sydney, September, 2010.

Dewhurst, T., Found, B., Rogers, D. Can a financial reward/penalty system alter lay-persons' success rates on a forensic signature examination task?, Proceedings of the 20th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Sydney, September, 2010.

Joseph, s., Found, B. Forensic handwriting examiners' expertise in expressing authorship opinions on facsimile generated signatures, Proceedings of the 20th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Sydney, September, 2010.

Found, B., Rogers, D. The skill of writers at determining the authenticity of their own signature, Proceedings of the 20th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Sydney, September, 2010.

Jarvis, M., Found, B. The influence of the use of a quill pen on a scribe's ability to accurately copy a music manuscript, Proceedings of the 20th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Sydney, September, 2010.

Mohammed, L., Found, B., Caligiuri, M, Rogers, D. Can dynamic features be used to discriminate between genuine, auto-simulated, and simulated signatures? Presented at the 61st Annual Conference of the American Academy of Forensic Sciences, Denver, Colorado, 2009

Mohammed, L., Found, B., Caligiuri, M., Rogers, D. Pen pressure as a discriminating feature between genuine and forged signatures. Presented at the International Graphonomics Society Conference, Dijon, France, September 2009.

Bird, C; Found, B; Rogers, D (2009). Forensic handwriting examiners' skill in detecting disguise behaviour from handwritten text samples, Presented at the Conference of the European Network of Forensic Handwriting Experts, Cracow, Poland.

Bird, C; Found, B; Rogers, D (2008). Investigating the skill of Forensic Handwriting Examiners for determining text-based natural and disguised handwriting processes, Presented at the 19th International Symposium on the Forensic Sciences, Melbourne.

Mohammed, L., Found, B., Rogers, D. Genuine and disguised signatures - An empirical approach. Presented at the 60th Annual Conference of the American Academy of Forensic Sciences, Washington, DC 2008.

Bird, C., Found, B. & Rogers, D. (2007). Forensic document examiners' opinions on process of production of disguised and simulated signatures. Proceedings of the 13th Biennial Conference of the International Graphonomics Society, Melbourne, 171-174.

Dewhurst, T., Found, B. & Rogers, D. (2007). Are expert penmen better than lay people in producing simulations capable of avoiding detection by forensic document examiners? Proceedings of the 13th Biennial Conference of the International Graphonomics Society, Melbourne, 158-161.

Found, B. & Rogers, D. (2007). The probative character of forensic document examiners' identification and elimination opinions on questioned signatures. Proceedings of the 13th Biennial Conference of the International Graphonomics Society, Melbourne, 175-178.

Dyer, A.G., Found, B., Sita, J. & Rogers, D. (2006). Eye movement evaluation of signature forgeries. In Proceedings of the Australasian Ophthalmic and Visual Sciences Meeting, December 2-4 John Curtin School of Medical Research, Australian National University.

Rogers, D., Dyer, A.G., & Found, B. (2006). Eye movements and forensic handwriting analysis expertise. Proceedings of the 4th European Academy of Forensic Science, Austria, p.102.

Found, B. & Rogers, D. (2005). The relative strength of forensic document examiners' identification and elimination opinions on individuals' natural writings. Proceedings of the 12th Biennial Conference of the International Graphonomics Society, Italy, 157-161.

Found, B. & Rogers, D. (2005). Problem types of questioned handwritten text for forensic document examiners. Proceedings of the 12th Biennial Conference of the International Graphonomics Society, Italy, 8-12.

Dick, D., Lacy, K., Found, B. & Rogers, D. (2004). Handwriting speed: Experimental validation trial. Proceedings of the 17th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Wellington, New Zealand, 28 March-2 April, 2004.

Phillips, J.G., Rogers, D. & Found, B. (2004). Expertise of forensic document examiners: A signal detection analysis. 31st Australasian Experimental Psychology Conference, Dunedin, Australian Journal of Psychology, 56, p.132.

Sita, J.C., Rogers, D. & Found, B. (2003). A model using complexity classification, spatial score and line quality for forensic signature comparison. Proceedings of the 11th Biennial Conference of the International Graphonomics Society, USA, 257-260.

Sita, J.C., Rogers, D. & Found, B. (2003). Spatial comparison of questioned to specimen signatures using matrix analysis software. Proceedings of the 11th Biennial Conference of the International Graphonomics Society, USA, 299-303.

Found, B. & Rogers, D. (2003). Characterising handwriting identification skill by assessing the probative value of grouped examiner opinions across handwriting types. European Academy of Forensic Science, Triennial Meeting, Istanbul, Turkey, 22-27 September, 2003.

Found, B. & Rogers, D. (2003). The impact of forger practice on the validity of forensic document practitioners' opinions. European Academy of Forensic Science, Triennial Meeting, Istanbul, Turkey, 22-27 September, 2003.

Found, B. & Rogers, D. (2002). The impact of forger practice on the validity of forensic document practitioners' opinions. Proceedings of the 16th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Canberra, 12-17 May.

Found, B. & Rogers, D. (2000). Investigating proposed theoretical complexity relationships in forensic handwriting identification using specialists behaviour. Proceedings of the CrimTrac 15th International Symposium on the Forensic Sciences, Gold Coast, Queensland, 5-10 March, 2000, pp. 143-144.

Sita, J., Found, B. & Rogers, D. (2000). Validating forensic handwriting examiners' expertise: Signature examinations. Proceedings of the CrimTrac 15th International Symposium on the Forensic Sciences, Gold Coast, Queensland, 5-10 March, 2000, p. 116-117.

Rogers D., Found B., Joseph S., Ganas, J. & Sharfe G. (2003). An objective comparison of spatial characteristics between forged and genuine signatures using Matrix Analysis software. European Academy of Forensic Science, Triennial Meeting, Istanbul, Turkey 22-27 September, 2003.

Found, B., Rogers, D., Rowe, V. & Dick, D. (1998). Statistical modelling of experts' perceptions of the ease of signature simulation. Proceedings of the 14th International Symposium on the Forensic Sciences, Adelaide, 12-16 October, 1998.

Found, B. & Rogers, D. (1996). Matrix analysis of the spatial properties of handwritten images. Proceedings of the 13th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Sydney 9 -13 September.

Found, B. & Rogers, D. (1996). Complexity theory as a rationale for forensic handwriting opinion. Fifth European Conference for Police and Government Handwriting Experts, The Hague, Netherlands, 13-15 November.

Found, B. & Rogers, D. (1995). Investigation of signature complexity for forensic purposes. Proceedings of the Seventh Biennial Conference of the International Graphonomics Society, Canada, 52-53.

Found, B., Rogers, D. & Schmittat, R. (1995). Techniques for overcoming difficulties taking objective spatial measurements from handwriting. Proceedings of the Seventh Biennial Conference of the International Graphonomics Society, Canada, 54-55.

Rogers, D. & Found, B. (1995). The objective measurement of spatial invariance in handwriting. Proceedings of the Seventh Biennial Conference of the International Graphonomics Society, Canada, 132-133.

Found, B., Rogers, D.K., Schmittat, R. & Metz, H. (1994). A computer technique for objectively selecting measurement points from handwriting. Proceedings of the 12th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Auckland, New Zealand, 21-25 November.

Metz, H., Found, B., Rogers, D.K., & Dick, D. (1994). Common methodology. Proceedings of the 12th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Auckland, New Zealand, 21-25 November.

Found, B., Metz, H., Rogers, D.K., Schmittat, R., Black, D., Ganas, J. & Dick, D. (1994). An analysis of spatial errors in freehand simulations. Proceedings of the 12th Australian and New Zealand Forensic Science Society International Symposium on the Forensic Sciences, Auckland, New Zealand, 21-25 November.

Found, B., Dick, D. & Rogers (1992). Signature formations: The artifacts of human movement. The 11th Australian and New Zealand International Symposium on the Forensic Sciences. Hobart 17-21.

Found, B., Rogers, D. & Schmittat, R. (1992). A report on the development of a computer based analysis technique for the study of handwriting. Proceedings of the 11th Australian and New Zealand International Symposium on the Forensic Sciences, Hobart, 17-21 August.

Found, B., Rogers, D.K. & Schmittat, R. (1992). The effect of controlled pause insertions on motor programmes encoding skilled signature formations. Proceedings of the 11th Australian and New Zealand International Symposium on the Forensic Sciences, Hobart, 17-21 August.

Rogers, D., Found, B. & Morris, M. (1992). The accessing and utilisation of stored motor programmes for handwriting following stroke. Proceedings of the Australian Physiological and Pharmacological Society, 23, 230.

Books and the media

Bryan's work has been cited regularly in both research articles and textbooks including:

- Huber, R. & Headrick, A. (1999). Handwriting Identification: Facts and Fundamentals, CRC Press, New York.
- MODERN SCIENTIFIC EVIDENCE: THE LAW AND SCIENCE OF EXPERT TESTIMONY By: David L. Faigman, David H. Kaye, Michael J. Saks & Joseph Sanders.

A chapter dedicated to Bryan's case studies can be found in the book 'Written on the skin' by Liz Porter (MacMillan Australia, 2006).

Bryan has been interviewed on numerous occasions for radio, print media and television. Articles relating to Bryan's research and casework have appeared in The Australian, The Age and the Herald Sun newspapers.

Development of method

Since 1992 Bryan has been involved in the development of behavioural theory and documented method for forensic handwriting examinations. This has culminated in the joint development and publication of the first modular method in Australasian document examination history (Found, B. & Rogers, D. (Eds.), (1999).

Documentation of forensic handwriting comparison and identification method: A modular approach. Journal of Forensic Document Examination, Volume 12, Fall). This methodology has been presented to the Scientific Working Group on Document Examination in the USA, and the European Network of Forensic Handwriting Experts (Europe).

Development of cognitive method validation techniques

Since the mid 1990s Bryan has been responsible for the development of new testing instruments which have been used to determine the probative value of forensic practitioners' opinions. The development included designing image collection protocols, randomisation and scanning protocols, experimental design protocols, data treatment techniques and the manufacture of large revision and corrective action packages. In addition to 'black box' testing, Bryan and his colleagues were the first to explore forensic handwriting examiner decision making 'real time' using eye-tracking technology.

Development of theory

The traditional 'identification theory' in forensic handwriting examination was based on the notion of 'class' and 'individual' characteristics. Although still used in some countries, this belief based theory has little to no validity. In the 1990s Bryan proposed the 'Complexity theory' to replace the traditional theory. Complexity theory is based on the known properties of the human movement system. Empirical testing of complexity theory has been carried out in Australia (La Trobe university) and in The Netherlands (Netherlands Forensic Institute). The theory have been supported in each of the reported studies.

Development of educational packages

Over the past 15 years Bryan has developed a range of educational packages (comprising lectures, practical activities and blind tests). These packages, which range in duration from 1 to 2.5 days, have been delivered in many countries. He has also developed a 1 to 2 week intensive training package in forensic handwriting examination. In 2010 Bryan was asked to design the forensic handwriting course for the Advanced Diploma in Forensic Document Examination offered by Canberra Institute of Technology (Australia). The new course structure will be implemented in 2012.

University Specialist Lecturing Positions

Sessional lecturing positions held:

- Sessional Lecturer, Graduate Diploma in Orientation and Mobility, La Trobe University, Melbourne, Victoria (human sensory and motor systems).
- Sessional lecturer, Post Graduate Diploma in Forensic Science, La Trobe University (document and handwriting examination and interpretive evidence).
- Sessional Lecturer, Bachelor of Forensic Science, Deakin University, Victoria, (document and handwriting examination and interpretive evidence).
- Sessional lecturer, Certificate IV in Forensic Sciences, Swinburne University, Victoria (Handwriting examination).
- Sessional lecturer, Graduate Diploma in Forensic Odontology, Melbourne University, Victoria, (Interpretive evidence).

State, National and International Presentations

Bryan has lectured to specialists in state, national and international forums in forensic document examination which have included:

- Detective Training School (Victoria Police) since 1989.
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- Bureau of Criminal Intelligence course (Victoria Police).
- Economic Crime course (Victoria Police).
- Investigators course (Victoria Police).
- Special Advisory Group meetings (Canberra 1997, Brisbane 1998, Hobart 1999, Gold Coast, 2000 and Adelaide, 2001 and numerous since).

- Specialist Forensic Handwriting Examination workshop, funded by the National Institute of Forensic Science (NIFS), in Melbourne, New South Wales, Queensland and Perth in 1995.
- Senior Managers of Australian and New Zealand Forensic Science Laboratories (SMANZFL) meeting in Western Australia in 1999.

Between 1996 and 2002 Bryan provided guest lectures, on new theoretical and analytical approaches to forensic handwriting examination, to government forensic laboratories in New Zealand, Hong Kong, Malaysia, the USA, England, Northern Ireland, Germany, The Netherlands and Israel.

Over the past 15 years Bryan has delivered numerous specialist handwriting and document examination presentations to the Australian and New Zealand Forensic Science Society. These have included the Victorian, Adelaide, Queensland, Northern Territory Western Australian and New Zealand branches

Specialist Seminars and Workshops

Bryan has developed specialist training lectures and workshops which have been delivered both in Australia and overseas. Information relating to the locations of these workshops follows;

- Association of Forensic Document Examiners conference, Texas, USA in 1996 (2 day workshop on applied and theoretical issues in forensic handwriting examination).
- National Association of Document Examiners conference, Maryland, USA in 1996 (2 day workshop on applied and theoretical issues in forensic handwriting examination).
- The 5th European Conference for Police and Government Handwriting Experts, The Hague, The Netherlands, 1996 (Workshop on applied and theoretical issues in forensic handwriting examination).
- The New Zealand Police training program, Wellington, New Zealand, 1997 (2 day workshop on applied and theoretical issues in forensic handwriting examination).
- The 14th ANZFSS International Symposium on the Forensic Sciences, Adelaide, 1998 (2 day workshop on applied and theoretical issues in forensic handwriting examination).
- The Queensland Police training program, Brisbane, 1999, (2 day workshop on applied and theoretical issues in forensic handwriting examination).
- National Association of Document Examiners conference, El Paso, New Mexico, USA in 2000 (2 day workshop on applied and theoretical issues in forensic handwriting examination).

- The European Network of Forensic Handwriting Examiners conference, Cracow, Poland in 2000 (Workshop on applied and theoretical issues in forensic handwriting examination).
- Malaysia Government Chemistry Laboratory, 2001 (Workshop on applied and theoretical issues in forensic handwriting examination).
- The New Zealand Police, Wellington, New Zealand, 2001 (Analysis and preparation of a report regarding the profile of their expertise in forensic handwriting examination).
- Forensic Handwriting Expertise Skills Development Workshop (2 days), La Trobe University, Melbourne, 2001.
- Invited chairperson on Interpretative Evidence at the INPALMS conference, Melbourne, 2001.
- Association of Forensic Document Examiners conference, Phoenix, Arizona, USA, 2001, (2 day workshop on applied and theoretical issues in forensic handwriting examination).
- Invited Master Class presenter at the 16th ANZFSS International Symposium on the Forensic Sciences, Canberra, May 2002.
- Principal presenter at the Document Examination Expertise Development Workshop, May 2002 (3 day workshop on applied and theoretical issues in forensic document examination).
- Invited Workshop presenter at the 3rd European Academy of Forensic Sciences conference, Istanbul, Turkey, 2003.
- Invited Workshop presenter at American Society of Questioned Document Examiners conference, Baltimore, Maryland, USA, 2003.
- Invited Workshop presenter at the Association of Forensic Document Examiners and International Graphonomics Society meeting, Phoenix, Arizona, USA, 2003.
- Invited Workshop presenter at American Society of Questioned Document Examiners conference, Memphis, Tennessee, USA, 2004.
- Invited Workshop presenter at National Association of Document Examiners conference, Los Angeles, USA, 2004.
- Invited Workshop presenter at GFS conference, Heidelberg, Germany, 2004.

- Invited Plenary Lecturer and Master Class presenter at the 17th ANZFSS International Symposium on the Forensic Sciences, Wellington, New Zealand, 2004.
- National Workshop Presenter (Criminalistics and Documents Special Advisory Group 2004) titled 'Constructing a scientific paradigm for forensic handwriting identification evidence: The use of blind testing to characterise specialists' skills'. Workshops were presented in Western Australia, Adelaide, Melbourne, Sydney, Brisbane and Wellington (NZ).
- Invited workshop presenter at the Southern Association of Forensic Document Examiners meeting, Atlanta, Georgia, USA, 2005.
- Invited workshop presenter at the Association of Forensic Document Examiners, San Antonio, Texas, USA, 2005.
- Invited workshop presenter, Southern Association of Forensic Document Examiners meeting, Atlanta, Georgia, USA, 2006.
- Invited workshop presenter, Canada Border Services Agency, Ottawa, Canada, 2006.
- Invited workshop presenter, European Academy of Forensic Science conference, Helsinki, Finland, 2006.
- Invited workshop presenter, New Zealand Police Document Examination Section, Wellington, New Zealand, 2006.
- Invited workshop presenter, South Australia Forensic Science, Adelaide, South Australia, 2006.
- Invited workshop presenter, Victoria Police Forensic Services Department, Melbourne, 2006.
- Invited workshop presenter at the National Association of Document Examiners conference, Tucson, Arizona, USA, 2007.
- Invited workshop presenter at the Canada Border Services Agency, Ottawa, Canada, 2007.
- Invited seminar presenter at the GFS conference, Salzburg, Austria, 2007.
- Seminar presenter, Lithuania Police, Vilnius, Lithuania, 2008.
- Invited seminar presenter, Financial Banking Ombudsman Office, Melbourne, 2009.

- Invited workshop presenter, European Network of Forensic Handwriting Experts, Krakow, Poland, 2009.
- Invited seminar presenter, State Revenue Office, Ballarat, 2010.
- Invited seminar presenter, State Revenue Office, Melbourne, 2010.
- Invited presenter, Critical issues in forensic science meeting, University of New South Wales, Sydney, 2010.
- Invited workshop presenter, International Conference on Frontiers in Handwriting Recognition, Kokata, India, 2010.
- Invited workshop presenter, 4th International Conference of the Forensic Medicine Authority of Egypt, Cairo, 2010.
- Invited key-note presenter, Graffiti Forum, Brisbane, Queensland, 2010.
- Invited member, Legal Expressionism workshop, University of New South Wales, Wollongong, 2011.

Awards and scholarships (1992 -2000)

- The ANZFSS Medal for the most original scientific research at the 11th International Symposium on the Forensic Sciences, Hobart, in 1992. This medal is awarded for the research most likely to effect the direction of a forensic discipline in the future.
- The ESR Forensic Prize for the most innovative research at the 12th ANZFSS International Symposium on the Forensic Sciences in Auckland in 1994.
- The Independent Association of Questioned Document Examiners (USA) Presidents Award for 'Outstanding contribution to forensic science' in Honolulu, Hawaii, USA, in 1996.
- Both the Victorian and National ANZFSS competitive scholarships to attend the 13th ANZFSS International Symposium in Sydney in 1996.
- The ANZFSS Victorian branch competitive scholarships to attend the 14th International Symposium in Adelaide in 1998.
- An Honorary mention in the NIFS best peer reviewed publication in 1997.
- The Victoria Police Forensic Services Centre award for 'System Design Improvement' in 1999.

- An Honorary mention in the National Institute of Forensic Science (NIFS) best peer reviewed publication in 1999.
- ‘Best Paper’ award in the NIFS best peer reviewed publication in 1999.
- Two Honorary mentions in the NIFS best peer reviewed publication in 2000.

Professional Society memberships

- Member of the Australian and New Zealand Forensic Science Society.
- President of the Victorian Branch of the ANZFSS (1997 – 2000 and 2003).
- Member of the International Graphonomics Society.
- Member of the American Society of Questioned Document Examiners.
- Member of the European Academy of Forensic Science.

Other positions

- Invited Editorial Board member (Journal of Forensic Document Examination (USA)), 1996 to present.
- Chair, 19th ANZFSS Symposium on the Forensic Sciences, Melbourne, 2008. This symposium was the biggest held in Australasia with attendance at over 1000 delegates.
- Invited Editorial Board member (Journal of the American Society for Questioned Document Examination (USA)), 2011.
- Invited Section Editor, Forensic Document Examination, Elsevier Encyclopaedia of Forensic Science, 2010 to present.
- Board Member of the Advisory council for Skill-Task, Training and Research, Inc. (USA). <http://www.st2ar.org/>
- Specialist consultant. National Institute of Justice funded Signature Expertise Research Project (USA). Kentucky State University , 2011.
- Workshop chair for the Automated Forensic Handwriting Analysis Group (Beijing, China, 2011)
- Mini-symposium chair for Questioned Document Examination, World Congress on Forensic Science, China, 2011.

Research interests

Aside from the research being undertaken by my PhD students, my interests include;

- The characterisation of the probative value of expert opinions on pattern evidence
- Domain irrelevant contextual information and cognitive bias
- The objective assessment of forensic practitioner skill characteristics
- The study of handwriting behaviours to model the usefulness of movement outcome examinations with respect to forensic individualisation
- Bayesian logic and its application to forensic pattern evidence interpretation