

**CURRICULUM VITAE: IAN PAUL MCCARTHY**  
**Professor in Technology and Operations Management,**  
**Beedie School of Business,**  
**Simon Fraser University, Vancouver, Canada**

**EDUCATION**

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- 1996 Ph.D. Operations and Technology Management, University of Sheffield, U.K.  
Thesis: *The development of a manufacturing classification using concepts from organizational systematics and biological taxonomy.*
- 1994 M.Sc. Operations and Technology Management, University of Sheffield, U.K.  
Thesis: *Implementation of a marketing orientation and cellular manufacturing within a hand tool company.*
- 1991 B.Eng. Manufacturing Systems, Kingston Polytechnic, U.K.

**AWARDS AND DISTINCTIONS**

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- Canada Research Chair Tier II, Simon Fraser University (2004-2014)
- Best Paper Award the Academy of Marketing Annual Conference, the Entrepreneurial and Small Business Marketing Track (2018)
- Member of the U.K. Scientific Committee of the Chartered ABS Academic Journal Guide (2017)
- LDRLB ranking of [Top Professors on Twitter](#) (2013); *Innovation Excellence* listing of the Top 50 Innovation Twitter Sharers of 2013; and *Business Insider*, [Smart Thinkers Everyone Should Follow on Twitter](#) (2012)
- Business Horizons/Elsevier Publishing Award for Best Paper in *Business Horizons* in 2011
- TD Canada Trust Distinguished Teaching Award (2009-2010), Simon Fraser University
- Fulbright Scholar at Georgia Institute of Technology (2009-2010)
- Best Paper Award for my work on user innovation and creative consumers at the 2010 Australia and New Zealand Marketing Academy Conference (ANZMAC) (2010)
- Best Paper Award for my research on entrepreneurial networks at the 2009 European Conference on Management of Technology (EUROMOT)
- Simon Fraser University, Faculty of Business, Research Honour Roll (2006, 2007, 2008 and 2009) - Note, this Research Honour Roll program was stopped in 2009.
- Simon Fraser University, Faculty of Business, Teaching Honour Roll (2007, 2009 - 2016)
- Editor's Award, *Benchmarking: An International Journal* (2001)
- Editor's Award, *Journal of Manufacturing Technology Management* (2000)
- Finalist in the U.K. Teaching Company Scheme, Best Schemes Awards (1999)
- J. P. Smedley Ph.D. Prize, University of Sheffield (1995)
- New Faces Award, MCB University Press (1995)
- 2<sup>nd</sup> place in UK Institution of Mechanical Engineers Presidents Prize for young members (1995)
- Finalist of the UK Institution of Mechanical Engineers Manufacturing Effectiveness Award (1992)

## **PROFESSIONAL MEMBERSHIPS AND POSITIONS**

2017 –current	Advisory Board Member of WeVu
2014 – current	Advisory Board Member of CadMakers
2017 – 2019	Director of the Vancouver Youth Soccer Association
2013 – 2017	Director of Vancouver United F.C.
2003 – current	Member of the Academy of Management
1997 – 2005	Chartered Engineer, U.K. Institution of Mechanical Engineers

## **EMPLOYMENT HISTORY AT ACADEMIC INSTITUTIONS**

Sept. 2010 – current	Professor and Canada Research Chair (till 2014) of Technology and Operations Management Beedie School of Business, Simon Fraser University, Canada
May 2014 – April 2017	Associate Dean of Graduate Programs and Professor of Technology and Operations Management Beedie School of Business, Simon Fraser University, Canada
June 2012 – current	Director of the CPA Innovation Centre
Mar. 2003 – Sept. 2010	Associate Professor and Canada Research Chair of Technology and Operations Management. Beedie School of Business, Simon Fraser University, Canada
Jan. 2007 – July 2007	Visiting Professor in Technology Management Advanced Manufacturing Research Centre, University of Sheffield, U.K.
Mar. 2004 – Current	Visiting Professor in Technology Management Durham Business School, University of Durham, U.K.
Sept 1999 – Mar. 2003	Reader and Head of the Organizational Systems and Strategy Unit (OSSU) Warwick Manufacturing Group, University of Warwick, U.K.
Oct. 1995 – Sept. 1999	Lecturer in Manufacturing Systems an Management Manufacturing Systems Management Unit, University of Sheffield, U.K.
Dec. 1993 - Oct. 1995	Research Assistant Manufacturing Systems Management Unit, University of Sheffield, U.K.

## **OTHER EMPLOYMENT HISTORY**

Oct. 1991 - Dec. 1993	Project Manager Footprint Tools Limited, Sheffield, U.K.
Jun. 1991 - Oct. 1991	Manufacturing Engineer Pentagon Radiators (Subsidiary of Alcan), Stafford, U.K.
Sep. 1984 - Sep. 1988	Project and Design Engineer Philips Electronics, Southampton, U.K.

## PUBLICATIONS

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Summary [Google scholar citation statistics](#) for my journal papers, as of 3<sup>rd</sup> June 2019, are:

- Total number of citations = 8,149
- h-index = 29

### Journal Articles (published, accepted or under review)

Cappa, F., Oriani, R., Peruffo, E., and McCarthy I.P. (revise and resubmit). Big Data, a Valuable Resource in the Digitalized Environment? Unpacking the Effects of Volume, Variety and Veracity on Firm Performance. *Journal of Product Innovation Management*.

McCarthy, I.P, Hannah, D., Pitt, L.F., and McCarthy, J. (accepted) Confronting Indifference Toward Truth: Dealing with Workplace BS, *Business Horizons*.

Robertson J., McCarthy I.P., and Pitt L.F. (accepted). Leveraging Social Capital in University-Industry Knowledge Transfer Strategies: A Comparative Positioning Framework. *Knowledge Management Research & Practice*.

Lee, L., McCarthy I.P. and Hannah D.R. (accepted). Do your employees think your slogan is “fake news?”. *Journal of Product & Brand Management*.

Baccarella C.V., Wagner T.F., Kietzmann J.H., and McCarthy I.P. (2018). Social media? It’s serious! Understanding the dark side of social media. *European Management Journal*. 36(4): 431-438

McCarthy IP, Silvestre, B.S, von Nordenflycht A., and Breznitz S, M. (2018). A typology of university research park strategies: What parks do and why it matters? *Journal of Engineering and Technology Management* 47, 110-122

Ruckman K. and McCarthy I. P. (2017) Why do some patents get licensed while others do not? *Industrial and Corporate Change*. 26 (4), 667–688

Ruckman, K. and McCarthy, I.P. (2017). Licensing speed: Its determinants and payoffs. *Journal of Engineering and Technology Management* (2017) 46:52–66

McCarthy, I.P., Collard, M. and Johnson, M., 2017. Adaptive organizational resilience: an evolutionary perspective. *Current Opinion in Environmental Sustainability*, 28, pp.33-40.

de Beer, J., McCarthy I. P., Soliman A. and Treen, E. (2017) Click here to agree: Managing intellectual property when crowdsourcing solutions. *Business Horizons* 60 (2), 207-217

Bogers M. et al (2017) The Open Innovation Research Landscape: Established Perspectives and Emerging Themes Across Different Levels of Analysis. *Industry and Innovation*, 24(1), 8-40

Wang, E., Berthon, P., Pitt L. and I. P. McCarthy (2017) Service, emotional labor, and mindfulness. *Business Horizons*, 59(6), 655-661

M.J Bliemel, I.P. McCarthy, and E. Maine. 2016. Levels of Multiplexity in Entrepreneur’s Networks: Implications for Dynamism and Value Creation. *Entrepreneurship Research Journal*. 6(3): 247 - 272

Xie, Z., Hall, J., McCarthy, I. P., Skitmore, M., & Shen, L. 2016. Standardization efforts: The relationship between knowledge dimensions, search processes and innovation outcomes. *Technovation*. 48-49. 69-78

Robson, K., Plangger, K., Kietzmann, J.H., McCarthy I.P, and Pitt L.F. 2016. Game on: Engaging customers and employees through gamification. *Business Horizons*. 59 (1), 29–36.

Bogers, M., McCarthy, I. P., & Pitt, L. 2015 Leveraging Users as Innovators: Managing the Creative Potential of Individual Consumers. *Journal of Engineering and Technology Management* 37 (July-September), 3-5

Hannah, D.R., McCarthy, I. P., & Kietzmann, J. 2015. We’re leaking, and everything’s fine: How and why companies deliberately leak secrets. *Business Horizons*. 58 (6), 659-667

Berthon, P., Pitt, L.F., Kietzmann J.H., and McCarthy I. P. 2015. CGIP: Managing Consumer Generated Intellectual Property. *California Management Review*, 57/4 (Summer): 43-62

**Journal Articles (Published or Accepted) – continued**

- Robson, K., Plangger, K., Kietzmann, J.H., McCarthy I.P, and Pitt L.F. 2015. Is it all a game? Understanding the principles of gamification. *Business Horizons* 58, 411 – 420
- Prpic, J., Shukla, P., Kietzmann, J. H., & McCarthy, I. P. 2015. How to Work a Crowd: Developing Crowd Capital through Crowdsourcing. *Business Horizons*, 58 (1), 77-85
- Robson, K.E., Plangger, K.A., Kietzmann, J., McCarthy, I., and Pitt, L.F. 2014. Understanding Gamification of Consumer Experiences, *Advances in Consumer Research*, 42, 352-356
- Johnson, M. R. & McCarthy I. P. 2014/ Product Recovery Decisions within the Context of Extended Producer Responsibility. *Journal of Engineering and Technology Management* 34, 9-28
- Bliemel, M. J., McCarthy, I. P., & Maine, E. 2014. An Integrated Approach to Studying Multiplexity in Entrepreneurial Networks. *Entrepreneurship Research Journal*, 4(4), 367-402.
- Malek, K., E Maine & McCarthy I. P. A Typology of Clean Technology Commercialization Accelerators. 2014. *Journal of Engineering and Technology Management*. 32 (April-June): 26-39
- McCarthy I. P. 2014. Editorial: Special Issue on User Innovation and the Role of Creative Consumers. *International Journal of Technology Marketing*, 9(4) 1-5
- McCarthy, I. P.; Silvestre, B. S. & Kietzmann, J. H. 2013. Understanding Outsourcing Contexts through Information Asymmetry and Capability Fit, *Production Planning and Control*, 24(4-5): 277-283
- Kitcher, B.; McCarthy, I. P.; Turner, S. & Ridgway K. 2013. Understanding the Effects of Outsourcing: Unpacking the Total Factor Productivity Variable, *Production Planning and Control*, 24(4-5): 308-317
- Xie, Z.J., Hall, J., and McCarthy, I.P. 2012. Review and some Ideas on the Research of Sustainable Development Innovation. *Science & Technology Process and Policy*, 26(24), 191-195
- Kietzmann, J. H., Silvestre, B. S., and McCarthy, I. P. 2012. Unpacking the Social Media Phenomenon: Towards a Research Agenda, *Journal of Public Affairs*, 12(2): 109–119
- Campbell, C., Berthon, P., Pitt, L., McCarthy, I., & Plangger, K. 2012. Making a Face: Graphical Illustrations of Managerial Stances Toward Customer Creativity, *Australasian Marketing Journal*, 20, 1, 9-15.
- Berthon. P.R., Campbell, C.L., Pitt, L.F., and McCarthy, I. 2011. Creative Consumers: Awareness, Attitude and Action, *Journal of Consumer Marketing*, 28 (7): 500 – 507
- McCarthy I. P. & Gordon B. R. 2011. Achieving contextual ambidexterity in R&D Organizations: A Management Control System Approach, *R&D Management*, 43(1): 240-258
- Kietzmann, J. H., Hermkens, K. McCarthy, I. P.; & Silvestre, B. S. 2011. Social Media? Get Serious! Understanding the Functional Building Blocks of Social Media, *Business Horizons*, 54, 241—251 **(Winner of the Elsevier Publishing Award for Best Paper in Business Horizons in 2011)**
- McCarthy I. P., Lawrence T. B., Wixted B., & Gordon B. R. 2010. A multidimensional conceptualization of environmental velocity. *Academy of Management Review*, 35(4): 604-626
- Bliemel M. J., & McCarthy I. P. 2008. Networks of Dedicated Biotechnology and Service Firms in Vancouver, *Journal of Commercial Biotechnology*, 14(3): 265-273.
- Pitt L. & McCarthy I. P. 2008. Connecting Product Innovation Management and Marketing, *Journal of Commercial Biotechnology*, 14(3): 197-200.
- McCarthy I. P., Pitt, L. F., Campbell C., van der Merwe R., & Salehi-Sangari E. 2007. Exploiting the Business Opportunities in Bio-Tech Connections: The Power of Social Networks, *Journal of Commercial Biotechnology*, 13(4): 245-257.
- Berthon P. R., Pitt, L. F., McCarthy I. P., & Kates S. M. 2007. When Customers Get Clever: Managerial Approaches to Dealing with Creative Consumers, *Business Horizons*, 50(1): 39-47 **(Reviewed in the January 15th 2007 issue of The Economist)**.

**Journal Articles (Published or Accepted) – continued**

- McCarthy I. P., Tsinopoulos C., Allen P. M & Rose-Anderssen C. 2006. New product development as a complex adaptive system of decisions, *Journal of Product Innovation Management*, 23(5): 437-456.
- McCarthy I. P. 2005. Toward a phylogenetic reconstruction of organizational life, *Journal of Bioeconomics*, 7(3): 271-307.
- McCarthy I. P. 2005. Book Review - 'The Modern Firm' by John Roberts, in *Organization Studies*, 20(8): 1251-1263.
- Rose-Anderssen C, Allen P.M., Tsinopoulos C. & McCarthy I. P. 2005. Innovation in manufacturing as an evolutionary complex system, *Technovation*, 25(10): 1093-1105.
- McCarthy I. P. 2004. The what, why and how of mass customization, *Production Planning & Control*, 15(4): 347-351.
- McCarthy I. P. 2004. Manufacturing strategy – understanding the fitness landscape, *International Journal of Operations and Production Management*, 24(2): 124-150.
- McCarthy I. P. & Anagnostou A. 2004. The impact of outsourcing on the transaction costs and boundaries of manufacturing, *International Journal of Production Economics*, 88(1): 61-71.
- McCarthy I. P. 2003. Technology management - a complex adaptive systems approach, *International Journal of Technology Management*, 25(8): 728-745.
- McCarthy I. P. & Tsinopoulos C. 2003. Strategies for agility: an evolutionary and configurational approach, *Journal of Manufacturing Technology Management (formally the journal - Integrated Manufacturing Systems)*, 14(2): 103-113.
- Rakotobe-Joel T., McCarthy I. P. & Tranfield D. 2003. A structural and evolutionary approach to change management, *Journal - Computational & Mathematical Organization Theory*, 8(4): 337-364.
- McCarthy I. P. & Menicou M. 2002. A Classification Schema of manufacturing decisions for the GRAI enterprise modelling technique, *Computers in Industry*, 47(3): 339-355.
- Fernandez P., McCarthy I. P. & Rakotobe-Joel T. 2001. An evolutionary approach to benchmarking, *Benchmarking: An International Journal*, 8(4): 281-305. **(Received Editor's Award)**
- McCarthy I. P., Frizelle G. & Rakotobe-Joel T. 2000. Complex systems theory - implications and promises for manufacturing organizations, *International J. of Manufacturing Technology & Management*, 2(1-7): 559-579.
- McCarthy I. P. & Tan Y. K. 2000. Manufacturing competitiveness and fitness landscape theory, *Journal of Materials Processing Technology*, 107(1-3): 347-352.
- Tsinopoulos C. & McCarthy I. P. 2000. Achieving agility using cladistics: an evolutionary analysis, *Journal of Materials Processing Technology*, 107(1-3): 338-346.
- Lowe A., Ridgway K., McCarthy I. P. & Atkinson H. 2000. An evaluation model for determining the business process benefits of thixoforming, *Proceedings of the I.Mech.E., Part B Journal of Engineering Manufacture*, 214(1): 11-23(13).
- McCarthy I. P., Leseure M., Ridgway K. & Fieller N. 2000. Organisational diversity, evolution and cladistic classifications, *The International Journal of Management Science - OMEGA*, 28: 77-95.
- McCarthy I. P. & Ridgway K. 2000. Cladistics: a taxonomy for manufacturing organizations, *Journal of Manufacturing Technology Management (formally the journal - Integrated Manufacturing Systems)*, 11(1): 16-29. **(Received Editor's Award)**
- McCarthy I. P., Leseure M., Ridgway K. & Fieller N. 1997. Building manufacturing cladograms, *International Journal of Technology Management*, 13(3): 269-286.
- McCarthy I. P. & Ridgway K. 1995. The implementation of a marketing orientation and focused manufacturing techniques in a hand tool company, *Proceedings of the Institution of Mechanical Engineers Part B Journal of Engineering Manufacture*, 209: 237-243.

## Journal Articles (Published or Accepted) – continued

McCarthy I. P. & Ridgway K. 1995. Re-engineering manufacturing systems at presto engineers cutting tools, *Business Change & Re-engineering - the Journal of Corporate Transformation*, 2(4): 31-33.

McCarthy I. P. 1995. Manufacturing classification: lessons from organisational systematics and biological taxonomy, *Journal of Manufacturing Technology Management (formally the journal - Integrated Manufacturing Systems)*, 6(6): 37-49. **(Received a New Faces Award from the Publishers)**

## Book Chapters and Edited Conference Proceedings

McCarthy, I., Plangger, K., Robson, K., Kietzmann, J. & Pitt, L. (2019) Dynamic game plans: using gamification to entrain strategic renewal with environmental velocity.” in *Handbook of Strategic Renewal* edited by Aybars Tuncdogan, Adam Lindgreen, Frans van den Bosch and Henk Volberda and published by Routledge.

Plangger, K., Kietzmann, J., Robson, K., Pitt, L., & McCarthy, I. 2016. Experiences with Gamification: The MDE Framework. In *Marketing Challenges in a Turbulent Business Environment* (pp. 491-491). Springer International Publishing.

McCarthy I. P., Pitt L. F. & Berthon P. R. 2011. Service Customization Through Dramaturgy, in *Mass Customization – Engineering and Managing Global Operations*. Editors: Flavio S. Fogliatto, and Giovani J. C. da Silveira, pages: 43-64, Springer, London.

McCarthy I. P. & Gordon B. 2010. Leveraging dynamic capabilities: A contingent management control system approach. In *Strategic Reconfigurations: Developing Dynamic Capabilities in Rapid-Innovation Based Industries*. Editors: Wall, S., Zimmerman, C., Klingebiel, R. and Lange, D., pages 13-33 Edward Elgar: Cheltenham, U.K.

Calinescu A., Efstathiou A., MacCarthy B., McCarthy I. P., Deshmukh A., Parmee I. & Machwe A. Agent-based modelling in manufacturing supply networks: potential benefits and open questions, in *Coping with Complexity: Understanding and Managing Complex Agent-Based Dynamic Networks Series Title - Complex Systems and Interdisciplinary Science*. World Scientific.

McCarthy I. P. & Gillies J. M. 2003. Organizational diversity, configurations and evolution, in E. Mitleton-Kelly (ed.), *Complex Systems and Evolutionary Perspectives of Organisations*, pp. 71-98, Elsevier, London, ISBN 0-08-043957-8.

Gillies J. M. & McCarthy I. P. 2002. Adaptable networks: perspectives from a business context, in R. James & A. Miles (eds.), *Managed Care Networks – Principles and Practice*, pp. 65 – 91, Aesculapius Medical Press, London, ISBN 1 903044 27 8.

McCarthy I. P. 2000. E-business and manufacturing managers, in A. Jolly (ed.), *Second Edition of the Institute of Management's Skills & Training Handbook*, pp. 12-17, Kogan Page, London, ISBN 0-7494-3173-3.

McCarthy I. P. & Rakotobe-Joel T. (eds.). 2000. *Proceedings of the International Conference on Complexity and Complex Systems in Industry*, 19th – 20th Sept., University of Warwick, pp. 1-652, ISBN 0 902683 50 0.

Ridgway K., Mort N. & McCarthy I. P. 1999. Automation, in J. G. Webster (ed.), *Wiley Encyclopaedia of Electrical and Electronics Engineering*, Vol. 2, pp. 141-146, John Wiley & Sons, New York, ISBN: 0471390526.

McCarthy I. P. & Ridgway K. (eds.). 1998. *Proceedings of the International Conference on Stimulating Manufacturing Excellence in Small and Medium Sized Enterprises*, 20 -22 April 1998, Sheffield Academic Press, University of Sheffield, ISBN 1-85075-902-2.

## Refereed Conference Proceedings

- Ferguson S.L., Pitt L., McCarthy I.P. and Rousseau W. (2018) Scaling a Hobby Business: the Case of JM Reid Bamboo Rods, *Proceedings of the Academy of Marketing Annual Conference*, University of Stirling, July 2018, Best Paper Award, Entrepreneurial and Small Business Marketing Track
- Ian Paul McCarthy, Mark Collard, Michael R Johnson (2017). Adaptive organizational resilience: an evolutionary perspective. *The Symposium on Learning and Innovation in Resilient Systems*. 23rd and 24th of March 2017 in Heerlen, the Netherlands
- Linda Lee, Ian Paul McCarthy, Debbis Ellis (2017). Customer cohort climates: A conceptual model for group service encounters. *Academy of Marketing Science Conference*, United States.
- Plangger K. and McCarthy I.P. 2014. Understanding Gamification of Consumer Experiences. *ACR Conference 2014*
- McCarthy, I. P., Johnson, M. R. & Gordon, B. R. 2011 Knowledge Management in R&D Organizations: A Management Control System Approach. HICSS, pp.1-10, 44th *Hawaii International Conference on System Sciences*
- What is a creative consumer? A contingency theory of how their motivations and appropriations affect firm responses. *British Academy of Management*, Birmingham, UK, 16th September 2011
- Colin Campbell, Pierre R. Berthon, Leyland F. Pitt, and Ian McCarthy. 2010. Creative Consumers: Awareness, Attitude & Action - Instrument & Preliminary Results, *Proceedings of the Australian and New Zealand Marketing Academy Conference*, Christchurch, New Zealand, 2010 **(Best Paper Award)**
- Arechavala V., R., & McCarthy, I. (2010). Business models in technology-based firms: A cognitive approach to regional differences. In *Technology Management for Global Economic Growth (PICMET)*, 2010 *Proceedings of PICMET '10*: (pp. 1-10) ISBN: 978-1-4244-8203-0
- M. Bliemel, McCarthy I. P. & Maine E. 2009. In Search of Entrepreneurial Network Configurations: Using Q-Analysis to Study Network Structures and Flows. 2009 European Conference on Management of Technology (EUROMOT). September 6th-8th, Glasgow **(Best Paper Award)**
- McCarthy I. P. & Gordon B. R. 2008. R&D and Management Control, *R&D Management Conference*, 17th – 20<sup>th</sup> June, Ottawa.
- McCarthy I. P., Wixted B., Lawrence T. & Gordon B. 2008. A Multi-dimensional conceptualization of environmental velocity. *Presented at the 2008 Annual Meeting of the Academy of Management*, August 8-13, 2008.
- Drori I. & McCarthy I. P. 2008. Organizational Tracks and the Temporal and Content Fit between Context and Archetype Characteristics. *Presented at the 2008 Annual Meeting of the Academy of Management*, August 8-13, 2008.
- Bliemel M. & McCarthy I. P. 2008. The Structure and Flows of Entrepreneurial Networks: A Q-analysis Approach. *Presented at the 2008 Annual Meeting of the Academy of Management*, August 8-13, 2008.
- McCarthy I. P. Wixted B., Lawrence T. & Gordon B. 2007. A Multi-dimensional conceptualization of environmental velocity. *Organization Science Editor's Panel & Paper Development Workshop*, at INFORMS, November 3, 2007
- Bliemel M., McCarthy I. P. & Maine E. 2007. Networks and High-Tech Innovation in Vancouver: An Application of Q-Analysis to ISRN Interviews" *ISRN MCRI II 9<sup>th</sup> Annual Conference*, Vancouver, BC.
- McCarthy, I. & Gordon, B. 2007. Contingent Management Control: A Dynamic Capability Instrument for New Technology-Based Firms, *Conference on Organizational Design at the European Institute for Advanced Management Studies*, April 17<sup>th</sup>, 2007, Brussels, Belgium.
- Wixted, B., McCarthy, I. P., & Gordon, B. 2007. What's changing? Re-Examining the Components of Environmental Velocity. *Presented at the 2007 Annual Meeting of the Academy of Management Doing Well By Doing Good* August 3-8, 2007.

**Refereed Conference Proceedings – continued.**

- Gordon, B. & McCarthy, I. P. 2007. Management Control Systems and R&D Knowledge Creation Trajectories: A Contingency Framework. Presented at the 2007 Annual Meeting of the Academy of Management *Doing Well By Doing Good* August 3-8, 2007.
- Pitt L., Kates S., McCarthy I. P. & Berthon P. 2006. When Consumers Get Creative, What Should Firms Do? Organizational Responses to Consumer Innovativeness, *35<sup>th</sup> European Marketing Academy Conference*, 24<sup>th</sup> – 26<sup>th</sup> May 2006, Athens, Greece.
- Calinescu A., Efstathiou A., MacCarthy B, McCarthy I.P., Deshmukh A., Parmee I., & Machwe A. 2004. Agent-based modelling in manufacturing supply networks: potential benefits and open questions, in *Proceedings of The Challenge of Complexity Conference*, 27<sup>th</sup>-28<sup>th</sup> September, Los Angeles, California.
- Tsinopoulos C. & McCarthy I P. 2003. Investigating the effect of decisions in new product development: a complex systems approach, in *Proceedings of Portland International Conference of Management and Engineering Technology- PICMET 03*, Chapter 17, Portland, ISBN: 1890843083.
- Tsinopoulos C. & McCarthy I. P. 2003. Investigating the effect of decisions in new product development: a study of SMES' practices, in *Proceedings of the Sixth SMESME International Conference*, Athens, Greece.
- Tsinopoulos C. & McCarthy, I. P. 2002. New product development as a complex system of decisions, in *Proceedings of 2002 IEEE International Engineering Management Conference*, Cambridge, 2: 761-765, ISBN: 0780373855.
- McCarthy I. P. 2002. Manufacturing decisions for the GRAI enterprise modelling technique, in *Proceedings of the Fifth SMESME International Conference*, 13<sup>th</sup>–15<sup>th</sup> May, Ashcroft International Business School, U.K., pp 196 – 202, ISBN 1-900-432-39-0.
- Fernandez P. & McCarthy I. P. 2002. An evolutionary classification of electronics manufacturers, in Frizelle G. & Richards H. (eds.), in *Proceedings of the 2002 Conference of the Manufacturing Complexity Network (Tackling industrial complexity: the ideas that make a difference)*, 9<sup>th</sup>–10<sup>th</sup> April, University of Cambridge, U.K., pp 387 – 403, ISBN 1-902546-24-5.
- Tsinopoulos C. & McCarthy I. P. 2002. An evolutionary classification of the strategies for drug discovery, in Frizelle G. & Richards H. (eds.), in *Proceedings of the 2002 Conference of the Manufacturing Complexity Network (Tackling industrial complexity: the ideas that make a difference)*, 9<sup>th</sup>–10<sup>th</sup> April, University of Cambridge, U.K., pp 373 – 386, ISBN 1-902546-24-5.
- McCarthy I. P. 2002. Manufacturing fitness and NK models, in Frizelle G. & Richards H. (eds.), in *Proceedings of the 2002 Conference of the Manufacturing Complexity Network (Tackling industrial complexity: the ideas that make a difference)*, 9<sup>th</sup>–10<sup>th</sup> April, University of Cambridge, U.K., pp 27- 41, ISBN 1-902546-24-5.
- Fernandez P., McCarthy, I. P., Mena, C. & Viesca C. 2001. Mass customization in the digital age, in *Proceedings of World Congress on Mass Customization and Personalization*, 30<sup>th</sup> Sept – 2<sup>nd</sup> October, Hong Kong University of Science and Technology, pp 467 – 475.
- Tsinopoulos C & McCarthy I. P. 2001. The evolution of strategies for drug discovery: From accidental discovery to rational drug design, in *Proceedings of The R&D Management Conference, R&D Opportunity, Technology and entrepreneurship*, 6<sup>th</sup>-7<sup>th</sup> September, Dublin, pp 467–75.
- McCardle E. & McCarthy I. P. 2001. Developing an online business community, in *Proceedings of 17th NCMR*, 4<sup>th</sup>–6<sup>th</sup> September, Cardiff University, pp.313 – 319, ISBN 1 86058 325 3.
- Sewell S. & McCarthy I. P. 2001. E-business and its role in Small Business Networks, in *Proceedings of SMESME Conference*, 14<sup>th</sup>–16<sup>th</sup> May, Aalborg University, Denmark, pp. 214 - 222, ISBN 87-89867-81-5.
- Gillies J. & McCarthy I. P. 2000. Complex systems thinking: key insights for the social sciences and an industrial application, in *Proceedings of International Conference – Complexity and Complex Systems in Industry*, 19<sup>th</sup> –20<sup>th</sup> September, Warwick University, U.K., pp. 332 – 344, ISBN: 0 902683 50 0.

**Refereed Conference Proceedings – continued.**

- Mena C., Fernandez P. & McCarthy I. P. 2000. Supply chains for mass customization , in *Proceedings of the 2000 IEEE International Conference on Management of Innovation and Technology (ICMIT)*, 12<sup>th</sup>-15<sup>th</sup> November, Singapore, pp. 777 – 781.
- McCarthy I. P. 2000. SME survival and manufacturing fitness, in *Proceedings of SMESME 2000*, University of Coventry, 17<sup>th</sup> – 19<sup>th</sup> April, 2000, pp. 88 – 96, ISBN 090549862
- Tsinopoulos C., McCarthy I. P. & Rakotobe-Joel T. 2000. Filling the missing link in TQM through organizational learning for the manufacturing process improvement, in *Proceedings of International Association for the Management of Technology, 9th International Conference*, Miami, USA, 21<sup>st</sup>-25<sup>th</sup> Feb.
- Rakotobe-Joel T. & McCarthy I. P. 2000. Complex system theory: implications and promises for manufacturing organisations, in *Proceedings of 9th Annual Industrial Engineering Research Conference*, 21<sup>st</sup>-23<sup>rd</sup> May, Cleveland, Ohio.
- Tsinopoulos C. & McCarthy I. P. 1999. Achieving agility using cladistics: an evolutionary analysis, in *Proceedings of the 15th International Conference on Computer-Aided Production Engineering (CAPE 99)*, 19<sup>th</sup>-21<sup>st</sup> April, Durham, U.K., pp 566 – 573, ISBN 0 9535558 0 1.
- Tan Y. K. & McCarthy I. P. 1999. Manufacturing competitiveness and fitness landscape theory, in *Proceedings of the 15th International Conference on Computer-Aided Production Engineering (CAPE 99)*, 19<sup>th</sup>-21<sup>st</sup> April, Durham, U.K., pp 574 – 581, ISBN 0 9535558 0 1.
- Menicou M. A. & McCarthy I. P. 1999. Competing through capabilities: a decision-aid methodology for manufacturing SMEs, in *Proceedings of SMESME '99*, University of Plymouth, U.K., 29<sup>th</sup>-31<sup>st</sup> March, pp 143 – 152, ISBN1-84102 035 4.
- McCarthy I. P. 1998. Cladistics: a tool for analysing patterns of organisational evolution, in *Proceedings of International Conference - Organisations as Complex Evolving Systems*, 4<sup>th</sup>-5<sup>th</sup> December, University of Warwick, U.K., pp 63 – 73, ISBN 0 902683 40 3.
- Price D. & McCarthy I. P. 1998. A product costing system for a make-to-order manufacturing company, in *Proceedings of the Fourteenth National Conference on Manufacturing Research*, University of Derby, September, pp 663 - 672, ISBN 1 86058 172 2.
- Menicou M. & McCarthy I. P. 1998. Modeling manufacturing systems using GRAI and decision science techniques, in *Proceedings of the Fourteenth National Conference on Manufacturing Research*, September, University of Derby, U.K., pp 397 - 404, ISBN 1 86058 172 2.
- Leseure M., McCarthy I. P. & Chapman G. 1998. The cost of complexity, in *Proceedings of the Eighth International Manufacturing Conference*, 12<sup>th</sup>-14<sup>th</sup> May, National University of Singapore, pp. 240-245, ISBN: 981-04-0209-0.
- Shaw N. & McCarthy I. P. 1998. Graduate employment in SMEs - the graduate's perspective, in *Proceedings of the International Conference on Stimulating Manufacturing Excellence in Small and Medium Sized Enterprises*, 20<sup>th</sup>-22<sup>nd</sup> April, University of Sheffield, U.K., pp 317 - 323, Sheffield Academic Press, ISBN 1-85075-902-2.
- Shaw N. & McCarthy I. P. 1998. Graduate employment in SMEs - the company's perspective, in *Proceedings of the International Conference on Stimulating Manufacturing Excellence in Small and Medium Sized Enterprises*, 20<sup>th</sup>-22<sup>nd</sup> April, University of Sheffield, U.K., pp 311 - 316, Sheffield Academic Press, ISBN 1-85075-902-2.
- McCarthy I. P. 1998. Technology transfer to SMES - the teaching company scheme, in *Proceedings of Conference on Growth and Job Creation in SMEs*, 7<sup>th</sup> - 9<sup>th</sup> January, Mikkeli, Finland, ISBN 951-702-694-3.
- Leseure M. & McCarthy I. P. 1997. Managing the complexification of industrial organisations, in J. J.-G. Chen & A. Mital (eds.) *Proceedings of Advances in Industrial Engineering Applications and Practice II*, pp 541 - 546, 12<sup>th</sup>-15<sup>th</sup> Nov., San Diego, USA, ISBN 0-9654599-2-6.
- McCarthy I. P., Leseure M. & Ridgway K. 1997. An evolutionary approach to the classification of manufacturing systems, in *Proceedings of International Conference on Industrial Engineering and Production Management*, 20<sup>th</sup>-24<sup>th</sup> October, Lyon, France, pp 407 - 417, ISBN 0-9654-5992-6.

**Refereed Conference Proceedings – continued.**

- McCarthy I. P. & Leseure M. 1997. Achieving manufacturing competitiveness using cladistic classifications, in *Proceedings of the 10th ADM Conference on Design Tools and Methods in Industrial Engineering*, 17<sup>th</sup>-19<sup>th</sup> September, University of Florence, pp 25 - 35, ISBN 88-7957-113-3.
- McCarthy I. P. 1997. Structured tools and methodologies for small and medium sized manufacturing enterprises, in *Proceedings of the 10th ADM Conference on Design Tools and Methods in Industrial Engineering*, pp 57 - 67, ISBN 88-7957-113-3, University of Florence, 17 - 19 September, 1997
- Todd A., Ridgway K. and McCarthy I. P. 1997. A numerical taxonomy of the design process, *Proceedings of the 10th ADM Conference on Design Tools and Methods in Industrial Engineering*, 17<sup>th</sup>-19<sup>th</sup> September, University of Florence, pp 15 - 25, ISBN 88-7957-113-3.
- McCarthy I. P. & Leseure M. 1997. Sustaining manufacturing - emulation or diversity? in *Proceedings of the Thirteenth National Conference on Manufacturing Research*, 9<sup>th</sup> – 11<sup>th</sup> September, Glasgow Caledonian University, U.K., pp 326 - 330, ISBN 0141-229-0255.
- Leseure M. & McCarthy I. P. 1997. Systematization of manufacturing enterprises, in *Proceedings of International Conference on Managing Enterprises - Stakeholders, Engineering, Logistics and Achievement*, 22<sup>nd</sup> – 24<sup>th</sup> July, Loughborough University, U.K., pp 171 177, ISBN 1 86058 066 1.
- McCarthy I. P. & Ridgway K. 1996. A portrait of manufacturing complexity, *Proceedings of the Twelfth National Conference on Manufacturing Research*, pp 141 - 146, University of Bath, ISBN 1 85790 031 6
- McCarthy I. P. & Ridgway K. 1996. Manufacturing systematics, *Proceedings of the Twelfth National Conference on Manufacturing Research*, pp 146 - 151, University of Bath, September, ISBN 1 85790 031 6.
- McCarthy I. P. & Ridgway K. 1996. GRAI modeling in the design and justification of a cellular manufacturing System, in *Proceedings of the 1996 Simulation Conference - The Society for Computer Simulation International*, 21 - 25 July, Portland, USA, pp 211 - 217, ISBN 1-56555-098-6.
- McCarthy I. P. & Ridgway K. 1996. Understanding manufacturing complexity, in *Proceedings of The Second International Conference on Managing Integrated Manufacturing*, 26 – 28 June, Leicester, U.K., pp 277 - 283, ISBN 0 952 8403 0 8.
- McCarthy I. P. & Ridgway K. 1995. Re-engineering using decision centre process modelling, in *Proceedings of 11th National Conference on Manufacturing Research*, ISBN 0-7484-0400-7, 12 - 14 September, De Montfort University, U.K., pp 810-814.
- Ridgway R., Scaife R., Murphy J., Dawson S., & McCarthy I. P. 1994. Innovation and implementation of appropriate technologies in mature industries, in *Proceedings of 27th International symposium on automotive technology and automation*, 31 October - 4 November, Aachen, Germany.
- McCarthy I. P. & Ridgway K. 1994. Introducing focused manufacturing and cellular manufacturing in a traditional company, in *Proceedings of 27th International symposium on automotive technology and automation*, 31 October - 4 November, Aachen, Germany.
- Chodari A., Ridgway K., & McCarthy I. P. 1994. The development of a generic model for the production management systems of a make to stock company, in *Proceedings of Institute of Electrical Engineers Proc. Conf, Factory 2000*, 3 - 5 October, York, U.K., pp 196 - 202, ISBN 0-85296-626-1.
- Ridgway R., Scaife R., Murphy J., Dawson S., & McCarthy I. P. 1994. Innovation and implementation of technology in mature industries, in *Proceedings of Institute of Electrical Engineers Proc. Conf, Factory 2000*, 3 - 5 October, York, U.K., pp 19 - 24, ISBN 0-85296-626-1.
- McCarthy I. P. & Ridgway K. 1994. Technology transfer the cellular manufacturing approach, TCS Footprint Tools, in *Proceedings of Institute of Electrical Engineers Proc. Conf, Factory 2000*, 3 - 5 October, York, U.K., pp 25 - 32, ISBN 0-85296-626-1.
- Ridgway K., Chodari A. & McCarthy I. P. 1994. A model of the production management systems in a make to stock company, in *Proceedings of 10th National Conference on Manufacturing Research*, 5 - 7 September, Loughborough, U.K., pp 208 - 212, ISBN 0-7484-0254-3.

## Refereed Conference Proceedings – continued.

- Ridgway K., Scaife R., Murphy J., Dawson S., & McCarthy I. P. 1994. Innovation and implementation of technology in mature industries, in *Proceedings of 10th National Conference on Manufacturing Research*, 5 - 7 September, Loughborough, U.K., pp 65 - 69, ISBN 0-7484-0254-3.
- McCarthy I. P. & Ridgway K. 1994. Introducing focused and cellular manufacture in a traditional manufacturing company, in *Proceedings of 10th National Conference on Manufacturing Research*, 5 - 7 September, Loughborough, U.K., pp 159 - 63, ISBN 0-7484-0254-3.
- McCarthy I. P. & Ridgway K. 1994. Introducing focused manufacturing and cellular manufacturing in a traditional manufacturing company, in *Proceedings of 11th conference of the Irish Manufacturing Committee*, 31 Aug - 2nd September, Belfast, U.K., pp 687 - 696, ISBN 0-85389-5341.
- Ridgway R., Scaife R., Murphy J., Dawson S., & McCarthy I. P. 1994. Innovation & implementation of appropriate technologies in mature industries, *Proc. of TTI Conference*, 19th July, London, pp 210 – 215.
- McCarthy I. P. & Ridgway K. 1994. Technology transfer the cellular manufacturing approach, in *Proceedings of TTI Conference*, 19th July, London, pp 216 - 221
- McCarthy I. P. & Ridgway K. 1994. Introducing focused manufacturing and cellular manufacturing in a traditional manufacturing company (problems and solutions), in *Proceedings of CAPE 10*, 7 - 9 June, Palermo, Italy, pp 659 – 667.

## SELECTION OF MEDIA REPORTS AND RECOGNITION

My paper *Social Media? Get Serious! Understanding the Functional Building Blocks of Social Media* (2011) currently has 3,927 citations (Google Scholar) and was ranked by *Science Direct* as the 3<sup>rd</sup> most viewed article published in its portfolio of business, management and accounting journals in 2015. The same paper is also listed by *Ex Libris* as one of the most viewed research articles in 2012. The ranking is based on publications across all disciplines (science to arts), and papers published in the last 70 years. Also, using the 2016 Google Scholar metrics this paper was the [most highly cited paper](#) in the previous five years across all business, economic and management journals.

Interview for [Benefits Canada](#) on the gamification on workplace health and wellness.

My work on creative consumers (Berthon et al. 2007) was reported on in [The Economist](#) and the [Huffington Post](#).

My work on gamification was reported in the [Huffington Post](#).

The [Globe and Mail](#) reported that I was included on LDRLB's list of top 50 professors to follow on Twitter.

My research in *Academy Management Review* on industry dynamics (McCarthy et al. 2010) was reported on by *ACCN, the Canadian Chemical News (L'Actualité chimique canadienne)*, which is Canada's publication for chemical professionals and used by [Deloitte](#) to report on the future of the US electric power industry.

I was invited to write an Op Ed for the [Vancouver Sun](#) on the teaching of innovation and entrepreneurship (27th November 2013).

Interview by the [Globe and Mail](#) for an article on teaching of innovation and entrepreneurship in business schools.

Video interviews for the *Refinery Leadership Partners* on the myths and future of innovation management.

McCarthy I. P. 2001. Coping with Complexity, *Warwick Debate: A Future for Manufacturing* (U.K. Secretary of State for Trade and Industry, CEO Siemens & the Economics Editor of the Financial Times).

McCarthy I. P. 1988. An approach for understanding the diversity of dynamic systems. A letter published in *Complexity*, Volume 3, Number 7 September 1998, pp. 11, John Wiley & Sons, Inc. ISSN 1076-2787.

## **PhD AND MASTERS SUPERVISION**

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- Emily Treen, Simon Fraser University. *User innovation* – in progress.
- Pooria Assadi, Simon Fraser University. *Empirical Investigation of the Causes and Effects of Misconduct in the U.S. Securities Industry* – in progress.
- Karen Robson, Completed 2016. Simon Fraser University. *Understanding Creative Consumers: Implications for Intellectual Property and Brand Management*.
- Linda Lee, KTH Royal Institute of Technology. Complete 2016. *Customer interactions and service experiences*.
- Brian Gordon, Simon Fraser University. Completed 2012. *Technologies for Exploration and the Pursuit of Innovation: Three Essays on Strategic Knowledge Creation and Schumpeterian Competition*
- Martin Bliemel, Simon Fraser University. Completed 2010. *Entrepreneurial Networks: A Review, Methodology and Typology*.
- Christos Tsinopoulos, University of Warwick. Completed 2003. *The Evolution of Drug Discovery Strategies*, (Senior Supervisor).
- Pavel Fernandez, University of Warwick. Completed 2003. *Mass Customization: An Evolutionary Management Approach*, (Senior Supervisor).
- Michalis Menicou, University of Sheffield. Completed 2002. *Modeling the Decision Architecture of Manufacturing Systems*, (Senior Supervisor).
- Yong Kiang Tan, University of Sheffield. Completed 2000. *A fitness landscape model for manufacturing strategy*, (Senior Supervisor).
- Michel Leseure, University of Sheffield. Completed 1999. *Manufacturing cladistics: using phylogenetic classifications to understand and manage the complexification of manufacturing systems* (Senior Supervisor).
- Muhammad Aslam Chodari, University of Sheffield. Completed 1998. *Development of a generic model for manufacturing management systems* (Committee Member).

## **RESEARCH GRANTS AND CONTRACTS**

(P = Principal Investigator and C = Co-investigator)

- C Fulbright Canada Community Leader (\$8,000) Exploring Indigenous Ways of Knowing (IWOK) and Business Studies
- C SSHRC Insight Grant (\$472,500) Rethinking intellectual property rights for open innovation - 2013 – 2018
- C SSHRC Insight Grant (\$155,000) Using Interfirm Transaction Networks to Characterize Sector and Value Chain Architectures - 2013 – 2016
- C Community Trust Endowment Fund (\$856,500) Human Evolutionary Studies Program – 2011 - 2016
- P Fulbright New Century Scholar Program VI Regional Workshop (\$54,000) Managing and measuring the impact of university research parks and incubators: The Rio experience - 2010
- P Small SSHRC Award (\$11,880) *New product development collaborations and management control systems*, 2009 - 2010
- P Canada Research Chair (\$500,000) *Canada Research Chair in Technology and Operations Management*, 2009 - 2014
- P Fulbright New Century Scholar Program (US\$30,000) *The Diversity and Effectiveness of University Research Parks*, 2009 – 2010
- P Accelerate (\$15,000) *Internship Study: Standardized Modular Components for Clean Energy Technologies*, 2009
- P SSHRC (\$157,000) *How do university research parks help their firms?* 2008

**RESEARCH GRANTS AND CONTRACTS – continued.**

- P University of Sheffield (\$25,000) *Support for the study of science parks, 2007*
- P AstraZeneca (\$1,500) *Support for a biotechnology management research network, 2006*
- P Merck Frosst (\$1,500) *Support for a biotechnology management research network, 2006*
- P SFU Business (\$3,000) *Research Colloquium - Creative Consumers and the Innovation Process, 2006*
- C Michael Smith Foundation for Health Research (\$50,000) *Interdisciplinary Team Generating Research on Complex Patients, 2006*
- P Merck Frosst (\$5,000) *Support for a biotechnology management research network, 2005*
- P SSHRC (\$102,000) *Performance measurement and benchmarking of biotechnology firms, 2004*
- P Simon Fraser University (\$59,294) *Infrastructure grant for a centre for biotechnology management, 2004*
- P British Columbia Knowledge Development Fund (\$118,589) *Infrastructure grant for a centre for biotechnology management, 2004*
- P Canada Foundation for Innovation (\$118,589) *Infrastructure grant for a centre for biotechnology management, 2004*
- P Canada Research Chair (\$500,000) *Canada Research Chair in Technology and Operations Management, 2004 – 2009*
- P IRAP (\$15,000) *BC biotechnology talent: supply and demand, 2003*
- P President's Research Grants Fund (\$10,000) *Mass customization in the pharmaceutical industry, 2003*
- P EPSRC IMRC (£339,642) *Future organizational forms - strategies for operations and technology management, 2002*
- P EPSRC IMRC (£165,986) *A framework for measuring, costing, and managing complexity, 2002*
- P Izodia/IMechE (£2,000) *IT practices in U.K. manufacturing, 2002*
- P Institution of Mechanical Engineers (£9,000) *Benchmarking report for MX2002 competition, 2002*
- P Institution of Mechanical Engineers (£9,000) *Benchmarking Report for MX2001 Competition, 2001*
- P SQW (£16,000) *Study and workshops for the formation of an ICT Cluster in the Coventry/Warwickshire/Solihull region, 2001*
- C EPSRC IMI (£174,000) *Assessing the supply chain costs in the food and drink industry, 2001*
- P HEROBaC (£74,839) *Online industrial networks, 2001*
- P HEROBaC (£75,791) *Search, exploration and discovery strategies for new products (Pharmaceuticals) Network, 2001*
- P Institution of Mechanical Engineers (£9,400) *Benchmarking report for MX2000 competition, 2000*
- P EEF (£26,500) *Future of U.K. manufacturing report, 2000*
- P EPSRC (£251,780) *Managing new product development as a complex system of decisions, 2000*
- P ERDF (£525,000) *Online business network and collaboration, 2000*
- C ESRC Priority Network (£205,000) *Industrial regeneration: sustainable improvement programs, 1999*
- C ERDF (£1,200,000) *Ibberson manufacturing centre, 1999*
- P ESRC and Mandall Engineering – TCS (£76,904) *New business and product development, 1999*
- P EPSRC. (£116,159) *Using cladistics, Q-Analysis & measures of complexity to achieve change, 1999*
- P EPSRC and George Jowitt and Sons – TCS (£80,120) *To develop and introduce new quality initiatives, 1998*
- P University Research Fund and industrial consortium (£6,000) *Scoping study: modeling methodologies for SMEs, 1998*
- C EPSRC. (£225,000, with the University of Leeds, and £119,823 awarded to the University of Sheffield) *Packaging supply chains: analysis, methods, tools & benchmarking, 1998*

**RESEARCH GRANTS AND CONTRACTS – continued.**

- P EPSRC (£50,861) *A manufacturing complexity network*, 1998
- C ERDF and Coal Regeneration and Social Fund (£1,200,000 With Sheffield Hallam University) *Advanced product design centre*, 1998
- C EPSRC and Tinsley Bridge - TCS (£640,000) *Process modeling and new product development*, 1998
- P EU Brite Euram (£53,834) *Cladistics and complexity as a tool for organisational change*, 1997
- P EU Technopole Cluster Project (£58,532) *The specification of a modeling and design tool for SMEs*, 1997
- P EU Technopole Grant with Mandall Engineering (£14,119) *The design of a computer aided estimating system*, 1997
- P EU Technopole Grant with Sandvik (£14,873) *The design and implementation of TPM system*, 1997
- P EU Technopole Grant with Richardsons (£14,691) *The design and implementation of a product costing system*, 1997
- P Mandall Engineering Ltd (£2,525) *Research support contribution*, 1996.
- C EPSRC and Thomas Turton Ltd - TCS (£80,120) *To develop and introduce new processes to manufacture improved hammer tools using new materials*, 1996
- P EPSRC and Mandall Engineering Ltd - TCS (£80,120) *Business development using advanced manufacturing methods*, 1996
- P The Royal Society (£870) *Conference grant*, 1996
- P EU Technopole Grant with Jowitt Grinding Wheels Ltd. (£10,826) *The design of a support arm for wheel production*, 1996
- P The Royal Academy of Engineering (£600) *International travel grant scheme*, 1996
- P EPSRC (£37,478) *The Development of a Manufacturing classification based on cladistics and the theory of natural selection*, 1996
- C Teaching Company Scheme with Tool and Steel Products Ltd (£76,536) *To introduce manufacturing methods and systems*, 1996
- P EU Technopole Grant with Kinetic Engineering (£29,148) *The specification and implementation of a parametric design facility*, 1996
- C Teaching Company Scheme with Rotary Electrical Company Ltd (£171,348) *To increase the company's share of the automated electric motor repair market*, 1995

**TEACHING****Simon Fraser University Teaching – Credit Programs**

Full Time MBA – BUS 724 Organizational Analysis

Part Time MBA – BUS 729 Capstone Business Simulation

Executive MBA in Aboriginal Business & Leadership – BUS 647 Entrepreneurship (formerly called BUS 664)

Executive MBA – BUS 603 Organizational Change

Executive MBA – BUS 780 Applied Project Supervision

North West B.C. Executive MBA – BUS 632 Operations Management

Alcan Executive MBA – BUS 632 Operations Management

Teck Executive MBA – BUS 632 Operations Management

Full Time MBA – BUS 715 Operations Management

Management of Technology MBA – BUS 758 Business Operations Design

Management of Technology MBA – BUS 780 Project Supervision

Management of Technology Online MBA – BUS 758 Business Operations Design

### **Selection of Executive Education - Non-Credit Programs and Workshops**

Fraser Health – Innovation management  
Teck Resources – Change Management  
Teleperformance - Gamification  
Cameco – Operations Leadership  
General Medical Practitioners Program - Ensuring Quality: Roles, Responsibilities and Accountability  
Certified General Accountants Canada – Service Strategy  
Health Management Program - Service Excellence for Health Professionals  
Radical Leadership Program – Innovation Management for the computer game design industry  
British Columbia Transmission Corporation – Change Management Simulation  
PMC Sierra – Change Management Simulation  
PMC Sierra - Transmission Corporation – Organizational Ambidexterity  
Teligence - Social Networking as a Business: Processes and Constraints,  
Heilongjiang Government – Supply Chain Strategies  
Canadian Purchasing Managers Association – Creating Green Supply Chain  
Coast Capital Savings – Systems Thinking

### **University of Warwick Teaching**

M.Eng. - Business & Project Management  
Manufacturing Systems M.Sc. – Operations Strategy  
Manufacturing Systems M.Sc. – Business Operations Design  
Manufacturing Systems M.Sc. – Technology Management  
AstraZeneca M.Sc. – Operations Strategy  
Marconi M.Sc. – E-business  
Supervision of final year student projects

### **University of Sheffield Teaching**

M.Sc. – Technology & Project Management  
M.Sc. – Technology Audits  
Manufacturing & Technology Management M.Sc. – Manufacturing Management  
Manufacturing & Technology Management M.Sc. - Total Quality Management  
Executive M.B.A. – Operations and Supply Chain Management I and II  
Executive M.B.A. – Technology Management  
Examiner for Manufacturing Technology for the U.K. Chartered Institutions

### **Teaching Evaluations**

Each year I have been at Simon Fraser University I have attained an instructor's evaluation that places me in the top 10% of instructors. For period 2009-2010 I was awarded the TD Canada Trust Distinguished Teaching Award (2009-2010) at Simon Fraser University for excellence and distinction in teaching. This where students and faculty nominate and select a top teacher in the previous five-year period. Winners are eligible for the award after a 4 calendar-year hiatus (once every 5 years)

## **PROFESSIONAL SERVICE**

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### **Board Positions**

Advisory Board Member of WeVu (2017 – current)  
Advisory Board Member of CadMakers (2014 – current)  
Director of the Vancouver Youth Soccer Association (2017 –current)  
Director of Vancouver United Football Club (2013 –2017)  
Director of the Complexity Society (2003 – 2006).

### **Journal Editorial Boards**

Senior Editor for the *Journal of Engineering & Technology Management*.  
Editorial Board Member for the following journals: *IEEE Transactions on Engineering Management*, *Technological Forecasting & Social Change*, *Journal of Engineering & Technology Management*, *Int. Journal of Services & Operations Management*, and *Production Planning & Control*.

### **Journal Reviewer**

Reviewer for the following journals:

*Academy of Management Review*, *Organization Science*; *Organization Studies*, *Int. Journal of Production Economics*; *Proceedings of the Royal Society*; *IEEE Transactions Engineering Management*; *Journal: Decision Support Systems*; *Int. Journal of Technology Management*; *Int. Journal of Production Research*; *Int. Journal of Operations & Production Research*; *Research in Engineering Design*; *Journal of Industrial Ecology*; *European Journal of Operational Research*; *Technovation*, *Journal of Systems Science & Complexity*, and *Bioeconomics*.

### **Research Council Memberships and Service**

A member of the Program Review Committee for the BC Ministry of Advanced Education (June, 2013)  
Reviewer for the Academy of Finland (2011)  
A member of the Program Review Committee for the Campus Alberta Quality Council (August 2010)  
Member of Canada's Social Sciences and Humanities Resources Council Standard Research Grants Selection Committee 22 (Accounting, Finance, and Production and Operations Management (2008-2011)  
Member of the Canada Research Chairs Program College of Reviewers (2004 – current)  
College Member of the U.K.'s Engineering and Physical Sciences Research Council (2002 – current)  
Advisory Board Member for the U.K. Advanced Institute for Management (2002)  
Peer reviewer of grant applications, research centers and research programs (Systems Integration, Next Generation Manufacturing and Integrated Design and Manufacture) for the U.K. Economic and Social Research Council, the U.K. Engineering and Physical Sciences Research Council, and the Canadian Social Sciences and Humanities Resources Council.

### **Service at Simon Fraser University**

Associate Dean of Graduate Programs Beedie School of Business, Simon Fraser University (2014 - 2017)  
Academic Director of the PhD Program, Beedie School of Business, Simon Fraser University (2014)  
Academic Director of the Graduate Diploma of Business Administration, Beedie School of Business, Simon Fraser University (2014)  
Member of the MBA Committee (2013 – 2014)  
Director of the CPA Innovation Centre (2011 – current)

Member of the Research Centres Committee (2012 – current)  
Member of Appointments Committee for the Vice President Academic (2012)  
Member of the Learning Strategies Group (Executive Education) Committee: (2008 – 2012)  
Member of the Faculty College (University Committee) (2007 - 2012)  
Member of the Graduate Studies Committee (2009 – 2010)  
Member of the Management of Technology M.B.A. and Graduate Diploma in Business Administration Committee (2008 – 2012)  
Area Coordinator for the Technology and Operations Management area (2005 - 2013)  
Member of the Planning & Priorities Committee (2005 – 2013)  
Director of the Centre and Network for -Biotechnology Management (2004 - current)  
Member of the Executive M.B.A. Committee (2007 – 2008)  
Member of the Surrey Curriculum Committee (2006 – 2007)  
Member and Advisory Board Member of the Certified Management Accountants Canada Centre for Strategic Change and Performance Measurement (2005 - current)  
University Faculty Structure Task Force (2005 - 2006)  
Member of the Appointments Committee (2005 – 2006. 2010 - 2011)  
Member of the Tenure Promotion Committee (2004 - 2005)  
Member of the Ken Spencer Entrepreneurship Competition Committee (2003 - 2004)  
Member of the Marketing (New product development) Selection Committee (2004 -2005)  
Liaison Member for the Technology & Operations Management Selection Committee (2004 - 2005)  
Member of the Tong Prize Committee (2004 - 2005)  
Judge for the New Ventures BC Competition (2004 - 2005)

### **Service at the University of Warwick**

Head of the Organizational Systems and Strategy Unit (1999 - 2003)  
Member of the Departmental Research Assessment Exercise Committee (1999 - 2003)  
Coordinator for Department Research Seminar Series (2002 - 2003)

### **Service at the University of Sheffield**

Coordinator of the Manufacturing Management Departmental Division (1998 - 1999)  
Head of the Royal Academy of Visiting Professors Scheme (1997 - 1999)  
Member of the Space Planning Committee (1997 - 1999)