

Dr. Christian Coronado Ph.D.(Eng). MSc.(Eng.), LL.M., LL.B., CSSBB.
Marine Institute of Memorial University of Newfoundland
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Areas of Teaching Expertise:

- Technology and Innovation Management.
- Innovation and Entrepreneurship.
- Intellectual Property Management.
- Quality Management and Lean-Six Sigma.I

Areas of Academic Research:

- Supply Chain Management and Innovation and technology management in Low-Tech industries.
- Intellectual Property Rights management for SME's.
- Innovation, Quality and Technological Entrepreneurship

Education (chronologically):

- **University of London**, London, UK. *LL.B.* Bachelor of Laws. (2016-2020).
- **University of Turin (Faculty of Law and World Intellectual Property Office)** Turin, Italy. *LL.M.* Master of Laws in Intellectual Property. (2012-2013).
- **École Polytechnique Montréal**. Montréal, Canada. *PhD.* Philosophy Doctor in Industrial Engineering and Management with focus on Innovation & Technology Management. (2005-2009).
Thesis Title: “Managing Complex Modular Product Architectures: The Dynamics of Innovation in the Automotive Industry”
- **Chalmers University of Technology**, Gothenburg, Sweden. *MSc.* Master of Science in Engineering. Management of Production. (2000-2002).
- **Monterrey Institute of Technology**, Mexico. *BSc.* Industrial Engineering and Management. (1995-1999).
- **North Dakota State University**, Fargo, USA. Sr. Year. *BSc.* Industrial Engineering and Management. (1998-1999).

Academic Professional Employment:

- **School of Ocean Technology, Marine Institute of Memorial University of Newfoundland, St. John's, Newfoundland.** (August 2009-Present).

As an instructor, Dr. Coronado is an experienced instructor at graduate and undergraduate level courses and has taught and developed courses in Innovation Management, Entrepreneurship, Intellectual Property Management, Quality Management and Operations Management.

As an administrator, Dr Coronado acts as Academic Director (AD) of the Master of Technology Management (MTM) program at the Marine Institute of Memorial University of Newfoundland, Dr. Coronado is responsible for the development of the program's strategic and tactical goals, student recruitment strategies and allocation of faculty resources and infrastructure in a unionized setting.

- ***The Business School, University of Winnipeg, Winnipeg, Manitoba.*** Operations Management Instructor for business undergraduate courses. (Summer, 2009).
- ***MINE (Management of Innovation in the New Economy) Program, École Polytechnique de Montréal.*** (Research Associate) Performed quantitative and qualitative analysis for the automotive industry. Participated as an active research associate for documenting best practices for product development strategies in the automotive industry. During this period Dr. Coronado produced several case studies with the aim to understand innovation and value creation practices in the automotive Industry. Among the companies that participate in these case studies are: Original Equipment Supplier Association OESA, Troy, MI; Centre for Automotive Research (CAR) Ann Arbor, MI; SKF Motion Control Unit, Kulpville, PA; Ford Motor Company Sustainable Mobility Technology Lab. Dearborn, MI; BMW Longitudinal Dynamics Lab, Munich, Germany; Infineon Automotive division (Munich, Germany and Tokyo, Japan); and Ford Research and Advanced Engineering, Aachen, Germany. (January 2005- August 2007).

Other Professional Employment:

- ***New Flyer Industries.*** (Product Design Engineer) Responsible for developing and designing new interior design application for coaches and BRT Next Generation. Extensive use of Free Form Modelling for Unigraphics NX4. Winnipeg, Manitoba, Canada (September 2007- September 2008).
- ***Volvo Bus Corporation.*** (Sales Engineer-Project Manager). Engineering interface between Sales Department; Engineering and Customers. During this task I was the project manager responsible to control all the tasks related to product specification and overall project readiness for a major BRT project for Mexico City with Volvo B12MA chassis. Mexico City-Mexico, Curitiba-Brazil and Caxias-do-Sul, Brazil. (January 2004 – December 2004).
- ***Volvo Bus Corporation.*** (Project-Product Design Engineer); -Several design development project- Sole responsible for styling, developing and validating interior applications (such as partition walls and interior hatches) for coaches and city buses; Vast experience modelling with CATIA V4 R22 (1200 hrs) and CATIA V5 R10-14(2000 hrs). Mexico City. (August 2002- December 2003).

- **General Motors. (Product Design Engineer)** Participated in the development of the interior garnish and interior trims for the *J-Car (Chevrolet Cavalier and Pontiac Sunfire)* utilizing extensively Unigraphics V16 and its PDM (IMAN) interface for documenting; this project was delivered as scheduled. As well I was involved in the permissible load analysis for the rear seat in the *G-Van Vehicle*. Well acquainted with GM PDM process and design regulations. Mexico City (February 2000- August 2000).
- **Maersk-Sealand (Intern)** Sweden .Performed a technical and economical assessment for new and products. Specially focused on evaluating the feasibility for transporting vehicles in containers vessels. Gothenburg-Sweden, Copenhagen-Denmark and Aabenraa-Denmark. (August 2001-February 2002).

Certification and Courses:

- Data and Cybersecurity Breaches. Osgoode-Hall Law School, York University (2022).
- Copyright X. **Harvard Law School & The Berkman Center for Internet and Society at Harvard University** (2014)
- Post-Secondary Instructors Certificate. **Memorial University of Newfoundland**, St. John's, NL (2010-2013).
- Certified Six Sigma Black Belt (CSSBB), **Institute of Industrial Engineers**, Atlanta, Georgia (2012).
- Understanding Patents: An Introductory Course. **McGill University**, Montreal, Quebec July (2011).
- Certified Six Sigma Green Belt (CSSGB), **Institute of Industrial Engineers**, Atlanta, Georgia, (2010).
- CATIA V5 R13 Certification Diploma, **SAE Automotive** essentials Michigan Heights, USA (2005).

Languages:

- English- Fluent
- French- Fluent
- Italian- Fluent
- Swedish- Conversational
- Spanish- Native

Publications and Scientific Papers: Refereed Journal Papers:

- Coronado Mondragón A.E., **Coronado Mondragon C.E.** and Coronado E., 2017. ICT adoption in multimodal transport sites: investigating institutional-related influences in international seaports terminals. Transportation Research Part A: Policy and Practice. Forthcoming.
- Coronado Mondragón A.E., Coronado E.S. and **Coronado Mondragon C.E.**, 2015. Defining a Convergence Network Platform Framework for Smart Grid and

Intelligent Transport Systems. Energy, Vol. 89, pp. 402-409.
<http://dx.doi.org/10.1016/j.energy.2015.05.117>

- Coronado Mondragon A.E., **Coronado Mondragon C.E.** and Coronado E.S., 2015.

Understanding transferable supply chain lessons and practices to a “high-tech” industry using guidelines from a primary sector industry: a case study in the food industry supply chain. The Scientific World Journal. Article ID 198385.
<http://dx.doi.org/10.1155/2015/198385>, 1-9.

- **Coronado Mondragon C.E.** and Coronado Mondragon A.E., 2013. Innovation and IPRs Management for Perceived Low-Tech Industries: A Case for the Implementation of Certification Marks in the Fishing and Fish Processing Industry of Newfoundland and Labrador. International Journal of Innovation in Management (IJiIM), Vol. 1, 2, pp. 53-64.
- Coronado Mondragon A.E., Coronado Mondragon E.S., **Coronado Mondragon C.E.** and Mung'au F., 2012. Estimating the performance of intelligent transport systems wireless services for multimodal logistics applications. Expert Systems with Applications, An International Journal, Vol 39, 4, pp. 3939-3949.
- Coronado Mondragon A.E., Lalwani C.S., **Coronado Mondragon C.E.**, Coronado Mondragon E.S. and Pawar K.S., 2012. Intelligent transport systems in multimodal logistics: a case of role and contribution through wireless vehicular networks in a sea port location. International Journal of Production Economics, Vol. 137, pp. 165-175.
- Coronado Mondragon A.E., Lalwani C.S. and **Coronado Mondragon C.E.**, 2011. Measures for auditing performance and integration in closed-loop supply chains. Supply Chain Management: An International Journal, Vol. 16, 1, pp. 43-56.
- Coronado Mondragon A.E., Lalwani C.S., Coronado Mondragon E.S. and **Coronado Mondragon C. E.**, 2009. Facilitating Multimodal Logistics and Enabling Information Systems Connectivity through Wireless Vehicular Networks. International Journal of Production Economics, Vol.122, 1, pp. 229-240.
- **Coronado M C.E.**, Coronado M A.E., Miller R., and Coronado M. E.S., 2009. Managing technology for highly complex critical modular systems: The case of automotive Brake-byWire and Steer-By-Wire systems. International Journal of Production Economics, Vol.118, 2, pp. 473-485.
- **Coronado C. E.** and Coronado A.E. and Miller R., 2006. Modularity, Open architecture and Innovation; an Automotive Perspective. Accepted for publication in the International Journal of Automotive Technology and Management (IJATM), Vol. 6, 3, pp. 346 – 363.

Book Chapter Contributions:

- Coronado Mondragon A.E., Coronado Mondragon E.S. and **Coronado Mondragon C.E.**, 2009. Innovative Information and Communication Technology for Logistics: the case of road transportation feeding port operations and Direct Short Range Communication technology in ‘Supply Chain Management and Knowledge Management - Integrating Critical Perspectives in Theory and Practice’

edited by Ashish Dwivedi and Tim Butcher, Palgrave McMillan, pp. 254-268 [peer reviewed].

- Coronado Mondragon A.E. and **Coronado Mondragon C.E.**, 2011. Managing technological innovations affecting product complexity, modularity and supply chain structure. in Mass Customization – Engineering and Managing Global Operations edited by F.S. Fogliatto and G.J.C da Silveira, Springer, New York, pp. 87-104 [peer reviewed]. • Coronado Mondragon A.E. and **Coronado Mondragon C.E.**, 2012. The Effects of LowProbability, High-Impact Events on Automotive Supply Chains: Black Swans and the 2011 Earthquake-Tsunami Disaster that Hit Japan in Sustaining Industrial Competitiveness after the Crisis: Lessons from the Automotive Industry edited by Luciano Ciravegna, Palgrave McMillan, pp. 104-113 [peer reviewed] ISBN 978-0-230-34816-5
- **Coronado Mondragon C.E.** & Coronado Mondragon A.E. 2013. Managing Innovation in Perceived Low-Tech Industries: A Review of the Technology Management Practices of the Fish Processing Industry of Newfoundland in and Labrador in Driving the Economy through Innovation and Entrepreneurship edited by Department of Management Studies, Indian Institute of Science, Bangalore, Springer, New Delhi, pp 99-107 [peer reviewed] ISBN 978-81-322-0745-0 **Refereed Conference Papers:**

- **Coronado Mondragón C.E.** and Coronado Mondragon A.E., 2016. Managing Innovation in Perceived Low-Tech Industries: A Proposed Approach to Increase Value Retention of Live and Fresh Shellfish through the Convergence of Intelligent Transport System (ITS) and the Smart Grid. International Conference on Innovation Management and Industrial Engineering. Proceedings of the International Conference on Innovation Management and Industrial Engineering. Aug 05-07 2016, Session A21, Fukuoka, Japan.
- **Coronado Mondragon C.E.** and Coronado Mondragon A.E., 2015. Knowledge Management and Innovation Practices in Perceived Low-Tech industries: A Qualitative Review of the Innovation Dynamics of the Aquaculture and Fishing and FISH Processing Industry of Newfoundland and Labrador. International Conference on Innovation Management and Industrial Engineering. Proceedings of the International Conference on Innovation Management and Industrial Engineering. June 23-25 2015, Session A2, Sapporo, Japan.
- Coronado Mondragon A.E. and **Coronado Mondragon C.E.**, 2015. Information and Communication Technology (ICT) Adoption in Third Party Logistics providers (3PL): A Case Study about Capability Enabled in Key Logistics Areas. Proceedings of the International Conference on Innovation Management and Industrial Engineering June 2325 2015 Session A5.
- **Coronado Mondragon C.E.** and Coronado Mondragon A.E., 2013. Innovation and IPRs Management for Perceived Low-Tech Industries: A Case for the Implementation of Certification Marks in the Fishing and Fish Processing Industry of Newfoundland and Labrador International Conference on Innovation and Management. Proceedings of the International Conference on Technology Management, July 16-19 2013, Session B2, Phnom Penh, Kingdom of Cambodia.

- **Coronado Mondragon C.E.** and Coronado Mondragon A.E., 2012. Managing Innovation in Perceived Low-Tech Industries: A Review of the Technology Management Practices of the Fish Processing Industry of Newfoundland and Labrador. Proceedings of the International Conference on Technology Management, pp. 101-109, July 18-20 2012, Indian Institute of Science, Bangalore, India. Published by Springer India ISBN 978-81322-0745-0
- Coronado Mondragon A.E. and **Coronado Mondragon C.E.**, 2011. Information Communication Technology Support in the Development of Logistics Clusters Involving Sea Port Locations. Proceedings of the International Conference on Innovation and Management, Session A1, July 12-15 2011, Kuala Lumpur, Malaysia.
- Coronado Mondragon A.E. and **Coronado Mondragon C.E.**, 2012. Re-thinking the Management of Technological Innovations, Product Complexity and Modularity: The Effects of Low-Probability, High-Impact Events on Automotive Supply Chains. Proceedings of the International Conference on Technology Management, pp. 567-577, July 18-20 2012, Indian Institute of Science, Bangalore, India. Published by Springer India ISBN 978-81-322-0745-0
- **Coronado Mondragon C.E.** and Coronado Mondragon A.E., 2011. Systems Integration for Complex and Modular Technological Innovations: A Case in the Automotive Sector. Proceedings of the International Conference on Innovation and Management, Session D3, July 12-15 2011, Kuala Lumpur, Malaysia.

Magazine Articles:

- Coronado M. Adrian E. and **Coronado M. Christian E.**, 2006. Ready to Drive. IEE Manufacturing Engineer, Vol. 85, 1, pp. 36-39.