

Jennifer Rhymer

Curriculum Vita (April 2017)

Department of Management and Organization

University of Washington, Foster School of Business, Seattle, WA

email: jrhymer@uw.edu

Education:

Ph.D. Student

Michael G. Foster School of Business, University of Washington

Technology Entrepreneurship/ Strategic Management

Start 2015 – Anticipated 2020

Ph.D.

Jacobs School of Engineering, University of California at San Diego

Structural Engineering

2012

Dissertation title: “Force Criterion Prediction of Damage for Carbon/Epoxy Composite Panels Impacted by High Velocity Ice”

Dissertation committee: Hyonny Kim (Chair), David Benson, Francesco Lanza di Scalea, Vlado Lubarda, Vitali Nesterenko

B.S., M.S.

Jacobs School of Engineering, University of California at San Diego

Structural Engineering, Aerospace Structures Emphasis

2007, 2009

University of Sussex: Brighton, England

2004 – 2005

Visiting student, department of Engineering and Design

Professional, Consulting, and Personal Experience:

Enspired.co

June 2014 – September 2015

Personal experience of investigating the entrepreneurial community and potential new ventures

- Traveled in US and internationally exploring coworking spaces and entrepreneur communities
- Advised on the development of creative projects including a vegan travel book, a vegan product platform, and 3D printed products for the visually impaired
- Explored potential venture of online educational tools aimed at entrepreneurial makers and engineers

Noble Environmental Technologies, Director of R&D

October 2012 – May 2014

Early stage clean technology company, material manufacturer, design services (ecorglobal.com)

- IP strategy, patents filed, responses managed, international trademarks
- Managed Cradle to Cradle innovation award application and certification
- Product development and costing, manufacturing facility optimization
- Manage partnerships with universities and research institutions
- High performance material testing, development, and certifications

The Aerospace Corporation, Intern/ Member of Technical Staff July-September, 2007-2011

Federally funded research and development center that provides support for space missions

- Development of a rocket motorcase model for finite element analysis
- FEA on dynamic systems for data correlation and failure analysis
- Development of subroutine for ABAQUS analysis of composite degradation
- Internal research on honeycomb material and effective sandwich panel properties

Research Interests:

- Strategies entrepreneurs use to gather advice, particularly when formal network ties are lacking
- Where and how entrepreneurs search for new information
- Firm learning processes, specifically the evaluation of new information
- Organization structures and boundaries, especially the rise of distributed firms and location independent individuals

Projects in Development:

- Advice Seeking: How High Ambition Firms Develop Informal Networks (with Ben Hallen)
 - Pilot interviews complete
 - Currently research out to target sample of unfunded e-commerce firms
- Entrepreneurs Use and Combination of Off-the-Shelf Resources (with Ben Hallen)
 - Data collection of the use of e-commerce tools for over 3 million firms complete
 - Currently matching tool data to founder and venture finance data
- Bundles of Resources as Recipes for Success: Resource Configurations (with Joanna Campbell, Emily Cox-Pahnke, and David Sirmon)
 - Longitudinal data collection of medical device firms completed
 - QCA preliminary analysis completed
 - Targeted for submission at SMJ
- Learning from Peer Communities: How Firms Engage Knowledge Foci
 - Pilot interviews in progress
 - Research design in development

Presentations:

- Campbell, JT., Cox-Pahnke, E., Sirmon, D., and Rhymer, J. (2017). Bundles of Resources as Recipes for Success: Resource Configurations and the Speed to an IPO. Accepted to Strategic Management Society (SMS) 37th Annual Conference, Houston.

- Campbell, JT., Cox-Pahnke, E., Sirmon, D., and Rhymer, J. (2016, September). Bundles of Resources as the Building Blocks of Success: Resource Configurations and New Venture Performance. Presented at Strategic Management Society (SMS) 36th Annual Conference, Berlin.
- Murray, A., Rhymer, J., and Boeker, W. (2016, September). Unintended Incongruence or Strategic Decoupling? Narrative and Operational Alignment in Hybrid Organizations. Presented at Strategic Management Society (SMS) 36th Annual Conference, Berlin.
- Murray, A., Rhymer, J., and Boeker, W. (2016, May). I'll Believe It When I See It: The Case for Alignment between Impact Investor Projections and Actions. Presented at 2016 Sustainability, Ethics, and Entrepreneurship (SEE) Conference, Denver CO.

Honors & Awards (Selected):

- 2016, Best Paper Nomination, Strategic Management Society Annual Conference, Berlin
- 2015, F. Kemper Freeman Jr. Distinguished Leader PhD Fellowship,
- 2010, Gordon Fellow, Bernard and Sophia Gordon Engineering Leadership Center
- 2008, 2009, California Space Grant Consortium Fellowship
- 2008, AIAA Foundation William T. Piper, Sr. General Aviation Systems Graduate Award
- 2007, Jacobs School of Engineering Undergraduate Student Leadership Award

Consortia and Workshops:

- SoCal QCA Workshop (2017, March). Irvine, CA.
- Doctoral Student Workshop, 14th Annual West Coast Research Symposium (2016, September). Seattle, WA.
- New Doctoral Student Consortium, Academy of Management (2016, August). Anaheim, CA.
- 7th Annual Doctoral Consortium in Entrepreneurship Research & 12th Annual Smith Entrepreneurship Research Conference (2016, April). College Park, MD.
- SoCal QCA Workshop (2016, March). Irvine, CA.

Teaching Assistantships:

University of Washington

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| ▪ Entrepreneurship (TMMBA 530A) | Winter 2017 |
| ▪ Introduction to Entrepreneurship (ENTRE 370) | Fall 2016 |
| ▪ International Management (EMBA 551 G) | Winter 2016 |

University of California, San Diego

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| ▪ Aerospace Structural Mechanics II (SE 160B) | Fall 2010 |
| ▪ Aerospace Structures Repair, Lecture and Lab (SE 171) | Spring 2008 |
| ▪ Numerical, Computational and Graphical Tools (SE 102) | Winter 2008 |
| ▪ Structural Mechanics III - Structural Dynamics (SE 101C) | Fall 2007 |

Service Activities:

University of Washington

- Ad hoc Reviewer
 - AoM Annual Meeting (2017)
- Doctoral Business Student Association (2017 –)
 - Representative, Graduate and Professional Student Senate
 - Representative, Foster School Committee

University of California, San Diego

- Jacobs School Alumni Council (2010 – 2014)
- Manager, Composite Structures Research Lab (2007 – 2012)
- Chair, Structural Engineering Graduate Student Organization (2008 – 2012)
 - Representative, Graduate Student Association (University)
 - Representative, Student Advocated for Graduate Education (National)
- Founding Member, Jacobs Graduate Student Council (2007 – 2010)
- Project Manager, Triton Engineering Student Council (2005 – 2008)
 - Organizer, Western Regional Conference, National Association of Engineering Student Councils (2007)
- American Institute of Aeronautics and Astronautics (2005-2007)
 - Student chapter chair, Project team leader (Design, Build, Fly)

Professional Organizations

- American Institute of Aeronautics and Astronautics, San Diego Section (2007 – 2014)
 - Positions held: Section Chair, Region IV Rep., Public Policy, Newsletter Editor

Affiliations & Registrations

- Member, Academy of Management
- Member, Strategic Management Society
- Member, American Institute of Aeronautics and Astronautics
- EIT (Engineer in Training) California, October 2006

Engineering Publications, Proceedings, and Presentations:

Referred Publications

- Rhymer, J., and Kim, H. (2013). Prediction of Delamination Onset and Critical Force in Carbon/Epoxy Panels Impacted by Ice Spheres. *CMC: Computers, Materials & Continua*, 35(2), 87-117.
- Tippmann, JD., Kim, H and Rhymer, J. (2013). Experimentally validated strain rate dependent material model for spherical ice impact simulation. *International Journal of Impact Engineering*, 57, 43–54.
- Rhymer, J, Kim, H, and Roach, D. (2012). The damage resistance of quasi-isotropic carbon/epoxy composite tape laminates impacted by high velocity ice. *Composites Part A: Applied Science and Manufacturing*, 43(7), 1134-1144.

- Salamone, S., Bartoli, I., Di Leo, P., di Scalea, F. L., Ajovalasit, A., D'Acquisto, L., Rhymer, J., Kim, H. (2010). High-velocity impact location on aircraft panels using macro-fiber composite piezoelectric rosettes. *Journal of Intelligent Material Systems and Structures*, 21(9), 887-896.

Conference Proceedings

- Rhymer, J., Kim, H. (2012). "Damage Prediction of Quasi-Isotropic Carbon/Epoxy Composite Panels Impacted by High Velocity Ice" Proceedings of 53rd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference, AIAA2102-1376. Honolulu, Hawaii.
- Bartoli, I., Salamone, S., Lanza di Scalea, F., Rhymer, J., & Kim, H. (2011). Impact force identification in aerospace panels by an inverse ultrasonic guided wave problem. *Health Monitoring of Structural and Biological Systems 2011*, 7984(1), 79841F-79841F-11.
- Salamone, S., Bartoli, I., Rhymer, J., Lanza di Scalea, F., & Kim, H. (2011). Validation of the piezoelectric rosette technique for locating impacts in complex aerospace panels. *Health Monitoring of Structural and Biological Systems 2011*, 7984(1), 79841E-79841E-11.
- Rhymer, J., Kim, H. (2010). "High Velocity Ice Impact Damage Resistance Comparison of Unidirectional and Woven Carbon/Epoxy Composite Panels" Proceedings of the American Society for Composites: Twenty-Fifth Technical Conference, Dayton, OH.
- Salamone, S., Bartoli, I., Lanza di Scalea, F., Rhymer, J., & Kim, H. ((2010). "Impact Force Identification on Aerospace Panels" Proceedings from ASME 2010 International Mechanical Engineering Congress.
- Bartoli, I., Salamone, S., Mezzanotte, M., Lanza di Scalea, F., Kim, H., & Rhymer, J. (2010). Impact force identification on isotropic and composite panels. *Health Monitoring of Structural and Biological Systems 2010*, 7650(1), 765007-765007-12.

Other Publications

- Rhymer, J, and Kim, H. (2012) Critical Force Prediction of High Velocity Ice Impact onto Unidirectional Carbon/Epoxy Composite Panels. *Dynamic Effects in Composites 1*, Ed. Dahsin Liu. 123-137.
- Bartoli, I., Salamone, S., Di Leo, P., Mezzanotte, M., Lanza Di Scalea, F., Kim, H., Rhymer, J., Phillips, R., Ajovalasit, A., & D'Acquisto, L. (2009). Impact Force Identification and Location on Isotropic and Composite Panels. In *Structural Health Monitoring 2009* (Vol. 2, pp. 1902-1909). Fu-Kuo Chang.
- J. Rhymer, D. Innamorato, H. Kim, G. Benzoni "SRMD 2009/02 [and SRMD 2009/01, SRMD 2008/12, SRMD 2008/11, SRMD 2008/10, SRMD 2008/09]," *Messier Dowty B787 Landing Gear Brace Static Test Report*. (Proprietary).
Served as UC San Diego Project Manager for experimental testing and FAA certification of aircraft landing gear braces (2007-2009).

Presentations

- Rhymer J., Kim, H. (2012). Damage Prediction of Quasi-Isotropic Carbon/Epoxy Composite Panels Impacted by High Velocity Ice. Presented at 53rd AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference, Honolulu HI.
- Rhymer J., Kim, H. (2011). Critical Force Prediction of High Velocity Ice Impact onto Unidirectional Carbon/Epoxy Composite Panels. Presented at the American Society for Composites: Twenty-Sixth Technical Conference, Dayton OH.
- Rhymer J., Kim, H. (2011) “Damage Prediction and Scaling of Ice Impact Forces onto Composite Structures.” (Poster) Jacobs School Research Expo.
- J Rhymer J., Kim, H. (2010) “Scaling of Contact Forces Generated by Ice Impacts onto Composite Structures and the Identification of Failure Threshold Energies.” (Poster) Jacobs School Research Expo.
- Rhymer. J. (2009) “Impact Force Scaling,” Presented at 47th AIAA Aerospace Sciences Meeting, Orlando, FL.

Personal:

- Born in Concord, CA; Raised in Sacramento, CA
- Enjoy muay thai, jiu jitsu, cooking, and traveling