

## CURRICULUM VITAE

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### EDUCATION

- **PhD in Management Studies**, “Factors Influencing the Adoption of Nature Inspired Innovation in Multinational Corporations”, School of Business, University of Exeter, UK (2017)
- **Bachelor of Arts**, Environmental Biology and Environmental Studies  
Cum Laude, Western State Colorado University, Gunnison, CO (2006)
- **Diploma**, East Dubuque High School, East Dubuque, IL (1999)

### RESEARCH INTERESTS

Biomimicry and Biologically Inspired Innovation at multiple levels of organizational design and innovation including Cradle-to-Cradle Design, Industrial Ecology and Circular Economy.

Sustainability-Oriented Innovation, particularly in the context of multinational corporations. Previous research on the innovation-decision process and innovation adoption.

Science-based targets for corporate sustainability, specifically Planetary Boundaries and the integration of earth systems governance in to corporate agendas.

Epistemological and ontological perspectives that enable the implementation of the regenerative and sustainable approaches to human development.

Metaphorical applications of biological theory to various socio-political contexts and how these concepts co-evolve through time.

### EMPLOYMENT HISTORY

**Western State Colorado University**, *Adjunct Faculty*, [western.edu](http://western.edu) (8/17-present)

Course content design of master’s level course related to sustainability-oriented innovation and nature-based innovation strategies. Content will be delivered via an asynchronous online platform to a globally distributed virtual classroom.

**ICELab@Western State Colorado University**, *Accelerator Coordinator*, [icelab.co](http://icelab.co) (7/17-12/17)

Launching the first cohort of Accelerator start-ups at the newly opened ICELab on the Western State Colorado University campus. Responsibilities include program design and facilitation, mentorship of businesses, and relationship building and outreach on behalf of the ICELab. Temporary contract.

**University of Exeter**, *Marie Curie Early Career Researcher*, <http://business-school.exeter.ac.uk> (6/13-7/17)

Research interests include the use of biologically-inspired innovation for corporate sustainability at multiple levels of research and development. Emphasis on processes of sustainability-oriented innovation management and the impacts and effectiveness of corporate sustainability strategies.

**Symbiosis**, *Biomimicry Strategist*, [www.thesymbiosisgroup.com](http://www.thesymbiosisgroup.com) (6/12-present)

Proprietor of independent biomimicry consulting, facilitation and education. Assisting clients with business and organizational strategy, built environment design, product and material development.

Emphasis on innovation process and business strategy for sustainability-oriented innovation.

**Biomimicry 3.8**, *Director of Consulting* [www.biomimicry.net](http://www.biomimicry.net) (12/11-5/12)

Support and leadership of consulting projects and staff. Client relationship management including business negotiation, contracts, billing oversight and ensuring client satisfaction.

**Biomimicry Guild**, *Biologist at the Design Table*, [www.biomimicryguild.com](http://www.biomimicryguild.com) (3/07-7/11)

Translation and application of biological theory and principles to design applications in various industrial sectors. Workshop facilitation for design professionals. Biological literature research and interpretation for product innovation. Teaching and facilitation of hybrid online and in-person 1-year certificate program.

**TechSea International**, *Fisheries Observer*, <http://www.techsea.com> (7/06-2/07)

Data collection and observation of regulatory compliance issues in the North Pacific Groundfish Fishery on behalf of the National Marine Fisheries Service. 105 days at sea on commercial cod trawlers.

**Bureau of Land Management**, *Research Intern*, <http://www.blm.gov/co/st/en/fo/gfo.html> (9/03-1/05)

Conducted independent field research regarding comparative phenology of invasive grass species (*Bromus tectorum*). Compiled data and reported findings.

**Lyle Center for Regenerative Studies**, *Student Assistant*, <http://www.csupomona.edu/~crs/> (1/03-6/03)

Landscaping and maintenance of 12 acre sustainable community. Emphasis on sustainable and organic techniques. Reforestation of threatened black walnut species: transplanting, growth charting, etc. Design and construction of edible flower/medicinal herb garden.

## PUBLICATIONS AND CONFERENCE PAPERS

-Mead, T. (2016). *Biomimicry as an Approach to Sustainability-Oriented Innovation in Multinational Corporations*. (Roundtable in PDW entitled *Innovating for Sustainability: The State of the Art and Beyond*). Academy of Management Annual Conference (Anaheim, CA, USA).

Mead, T. (Pending publication 2017). *Bioinspiration in Business and Management: Innovating for Sustainability*. Business Expert Press. <http://www.businessexpertpress.com/>

-Mead, T. and Jeanrenaud, S. (2017). *The Elephant in the Room: Biomimetics and Sustainability? Bioinspired, Biomimetic and Nanobiomaterials*. (Pending Publication 2016).

<http://www.icevirtuallibrary.com/toc/jbibn/current>

-Hoeller, N., Farnsworth, M., Jacobs, S., Chirazi, J., Mead, T., Goel, A., & Salustri, F. (2016). *A Systems View of Bio-Inspiration: Bridging the Gaps*. INSIGHT, 19(1), 36–40. <http://doi.org/10.1002/inst.12071>

-Mead, T. (2016). *Biomimicry As An Approach To Sustainability-Oriented Innovation In Multinational Corporations*. European Meetings on Cybernetics and Systems Research. Proceedings not yet published.

-Mead, T. (2014) *Commercialization of Biomimetic Technologies*. Asean and EU Science, Technology and Innovation Days: 2014 (Bangkok, Thailand). Proceedings not published.

-Mead, T. (2014) *Biologically-Inspired Management Innovations*. Presented at XXV ISPIM Innovation Conference - Innovation for Sustainable Economy & Society (Dublin, Ireland). Available on [Academia.edu](http://Academia.edu).

-Mead, T. (2014). *Biologically-inspired innovation in large companies: A path for corporate participation in biophysical systems?* International Journal of Design & Nature and Ecodynamics, 9(3) 216-29.

<http://www.witpress.com/elibrary/dne-volumes/9/3/876>

-Mead, T., & Hoeller, N. (2014). *The ISO/TC 266 Biomimetics Standard Initiative*. Zygote Quarterly, 10, 72-85, from [http://issuu.com/eggermont/docs/zq\\_issue\\_10\\_final/72](http://issuu.com/eggermont/docs/zq_issue_10_final/72)

## TEACHING, LECTURES AND WORKSHOPS

### Academic Settings

Biomimicry and Business Module - Lecturer: 2016, One Planet MBA (University of Exeter)  
Innovation and Sustainability Module - Lecturer: 2016, One Planet MBA (University of Exeter)  
Business and Society Module – Lecturer: 2016 (University of Exeter)  
Biomimicry in the Built Environment Workshop - Facilitator: 2013 Savannah College of Art and Design (Atlanta, GA)  
Sustainability Through Biomimicry Conference – Invited Speaker: 2012 (Dammam, Saudi Arabia)  
University of Brunei Darussalam – Invited Speaker: 2010 (Brunei)  
University of Missouri-Columbia School of Architecture – Invited Speaker: 2009 (Missouri, USA)  
School of the Art Institute of Chicago – Invited Speaker: Fall Lecture Series 2008 (Illinois, USA)  
Western State Colorado University – Teaching Assistant: Environmental Applications 2005 (Colorado, USA)

### Practical Settings

SW@6 Series, University of Exeter: 2016 (Exeter, UK)  
Urban Ecology Center: 2014 (Milwaukee, WI)  
Forum Studios Lunch and Learn Series: 2014 (St. Louis, MO)  
American Society for Landscape Architects Central States Conference: 2013 (Kansas City, MO)  
Plain Green Conference: 2012 (Sioux Falls, SD)  
Biomimicry Specialist Certification: 2012 9-Month Program (Arizona, USA)  
Ball State University: School of Architecture: 2011 (Indiana, USA)  
USGBC Greenbuild LDB Project Presentation: 2011 (Toronto, Canada)  
Cannon Design: Environmental Awareness Week Series: 2011 (Los Angeles, CA)  
Hitachi Environmental Conference: 2011 (Singapore)  
HOK St. Louis, Chicago, New York City and Hong Kong Offices: Lunch and Learn Series: 2009-11  
Corenet Global Conference: 2010 (New Orleans, Phoenix)  
Helena Audubon Society: 2010 (Montana, USA)  
AIA-COTE Biomimicry and Design Workshop: 2007-09 (Houston, Seattle, San Jose, CA, Atlanta, NYC)  
Biomimicry Workshop for Lavasa Employees: 2009 (Lavasa, India)  
Biomimicry Workshop for HOK Sustainable Design: 2009 (Arizona, USA)  
Biologist at the Design Table Workshop: 2009 (Montana, USA)  
Northern Rockies Bioneers Biomimicry Workshop: 2008 (Montana, USA)  
Biomimicry and Design Workshop: 2007 (La Cusinga, Costa Rica)

## SERVICE TO PROFESSION

One Planet Education Network (OPEN) Fellow, [oneplanetbusiness.org](http://oneplanetbusiness.org) (2017-present)  
Editorial Board Member: *Journal of Biomimetics in Engineering* (2016-present)  
Journal of Biomimetic, Bio-inspired and Nanobiomaterials: Reviewer (2016-present)  
Academy of Management: Member and Reviewer (2016-present)  
International Society for Industrial Ecology: Member (2009-2010)

## INNOVATION PROJECT EXPERIENCES

Kraft Foods: Package Design Ideation  
Kohler Co: Biomimicry Product Innovation  
Ash Meadows National Wildlife Refuge Visitors Center, Armagosa Valley, NV: Site Plan Design  
Khed Special Economic Zone, Maharashtra, India: Concept Master Plan Design  
Lavasa, India: Landscape Master Plan  
San Luis National Wildlife Refuge Visitors Center, Los Banos, CA: Building Design  
Bandar Seri Begawan, Brunei: Development Master Plan  
Chicago O'Hare Airport, Chicago, IL: Terminal Design Visioning Series  
Natura: Biomimicry Innovation in the Cosmetics Industry; New Product Development  
Levi's Strauss: Biomimicry Product Innovation

HOK: Creation of FIT (Fully Integrated Thinking) Planning and Building Framework  
Seek Research: Biomimicry Design Research for Multi-national Consumer Products Company  
Forum Studios: Hospital Campus Design

## RELATED PROFESSIONAL SKILLS

NVivo Qualitative Data Analysis: ESPCR Summer School  
Interview Techniques: ESPCR Summer School  
Biomimicry Certified Professional from Biomimicry 3.8 (Grandfathered)  
Biologist at the Design Table training with Biomimicry Institute  
Experience with field and laboratory based biological research techniques  
Moderate Portuguese and Spanish language proficiency  
Hazard Communication Training  
Los Angeles County Public Library Adult Literacy Tutor Training Workshop  
Crisis Prevention Institute: Nonviolent Crisis Intervention

## AWARDS & RECOGNITIONS

Outstanding contribution for innovation passion & commitment, XXV ISPIM Innovation Conference -  
Innovation for Sustainable Economy & Society (2014)  
Alumni Award for Excellence, Western State Colorado University (2006)  
Award for Meritorious Service to the Campus, Western State Colorado University (2006)

## COMMUNITY ENGAGEMENT

Exeter Grower's Cooperative: Member (2013-2016)  
Tidy Exeter: Community Clean-up Organizer (2014-2015)  
Exeter Green Drinks Networking Event: Co-founder (2013-2015)  
Royal Society for the Protection of Birds: Volunteer (2014-2015)  
Western Sustainability Coalition: Co-founder and Steering Committee Member (2003-06)  
Campus Composting: Project Coordinator (2003-04)  
Recycling Expansion Initiative: Project Coordinator (2003-06)  
Student Government Association, Western State College: Senator (2004-05)  
Student Government Association, Western State College: President (2005-06)  
Sierra Student Coalition: Colorado State Coordinator (2004-2006)  
Gunnison Sage Grouse Lek Count, Colorado Division of Wildlife: Volunteer (Spring 2006)

## RELEVANT EXPERIENCES

Rotary International: One-year study abroad in Campos dos Goytacazes, Brazil (1997)  
National Student Exchange: One academic year at California Polytechnic University, Pomona (2002-03)  
Colorado Trail Expedition: Hiked 500 miles across the Rocky Mountains in 40 days (2011)  
Academy of Business in Society: Marie Curie Innovation for Sustainability Early Career Researcher (2013-16)

## REFERENCES

Sally Jeanrenaud, Ph.D.  
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