

John Francis Leahy IV

Curriculum Vitae

John Leahy
Senior Instructor I, Fabrication Lab Manager
University of Oregon, College of Design, Portland
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Education

2006 Master of Architecture, Southern California Institute of Architecture, Los Angeles, CA
2004 Exchange Program Certificate, Berlage Institute for Advanced Studies in Architecture, Rotterdam, NL
1998-2001 Citizen Scholar, University of Virginia, Charlottesville, VA
1997 Bachelor of Science in Mechanical Engineering, University of Virginia, Charlottesville, VA

Professional Experience

2011- University of Oregon, School of Architecture and Allied Arts, Portland, OR, Fabrication Lab Manager
2008-2011 University of Oregon, School of Architecture and Allied Arts, Portland, OR, CAD/CAM Technician
2006-2008 Rios Clementi Hale Studios, Los Angeles, CA, Designer and Director of the Model Shop
2006 Katherine Spitz Associates, Marina Del Rey, CA, Designer
2005 Studioworks, Los Angeles, CA, Designer
2002-2004 Form Environment Research, Los Angeles, CA, Designer
2002-2005 Ray Kappe Library at the Southern California Institute of Architecture, Los Angeles, CA, Media Technician
2001-2002 Robertson Digital Media Center at the University of Virginia, Charlottesville, VA, Instructor
1999-2001 McDonough Braungart Design Chemistry, Charlottesville, VA, Engineering Specialist
1997-1999 MicroFab Research, Charlottesville, VA, Research Assistant

Professional Associations

Association of Professional Model Makers
Association for Computing Machinery

Academic Appointments

2016- Senior Instructor I, University of Oregon, School of Architecture and Allied Arts, Portland
2011- Officer of Instruction, University of Oregon, School of Architecture and Allied Arts, Portland
2009- Instructor, University of Oregon, School of Architecture and Allied Arts, Portland
2009- Adjunct Instructor, University of Oregon, School of Architecture and Allied Arts, Department of Architecture
2004- Teaching Assistant for Mechanical Systems, Southern California Institute of Architecture

Academic Juries

University of Virginia, Southern California Institute of Architecture, Portland State University, University of Oregon,
Marylhurst University, Pacific Northwest College of Art

Exhibitions

2005 *Metaspheric Zoo*, Prague Biennale of Contemporary Architecture, Perry Kulper
2004 *The Circular Ruins*, Group Exhibition, Bayley Art Museum, Charlottesville, VA
2003 *The Circular Ruins*, Group Exhibition, Zoller Gallery, Penn State University, State College, PA
2003 *Aunspaugh 1984-2003*, Group Exhibition, Fayerweather Gallery, Charlottesville, VA
2002 *Soft Crack Silhouette*, Lambeth Field Colonnades at the University of Virginia, Charlottesville, VA
2002 *Mossman and Stringboy*, with Roland Lusk, Fayerweather Gallery, Charlottesville, VA
2001 *The Fringe Festival*, Group Exhibition, Frank IX Building, Charlottesville, VA
2001 *Fresh Eggs*, Group Exhibition, Nature Gallery, Charlottesville, VA
2001 *Artists' Books and Folios*, Group Exhibition, Neiman Center for Print Studies, Columbia University, NY
1999 *Lost in the Labyrinth*, Group Exhibition, Artspace, Newcomb Hall, UVA, Charlottesville, VA

Exhibition Assistantship

2005 *Whatever Happened to L.A.?*, SCI_Arc Gallery, Studioworks, Robert Mangurian
2004 *Metamorph*, Venice Architecture Biennale, Xefirotarch, Hernan Diaz-Alonso

Awards

2007 CA AIA Firm of the Year awarded while working for Rios Clementi Hale Studios
2002 Virginia Museum of Fine Arts grant
2001 Vivian L. Aunspaugh Fellowship

Publications

2013 *Pamphlet Architecture 34: Fathoming the Unfathomable*, Nat Chard & Perry Kulper, Princeton Architecture Press (images)
2012 "3-D printers Offer New Opportunities...", *The Oregonian*, Business, Oct. 31, interviewed by Dominique Fong
2005 *Metaspheric Zoo*, Prague International Biennale of Contemporary Art, Catalogue (images)
2005 *Evidents*, SCI_Arc Press, "The Homeless Condition of Architecture", "Love Letter"
2005 *Exquisite History, Volume 1: The Land of Wandering*, The Printmakers Left, University of Virginia Press
2004 *Beijing 798, Reflections on Art, Architecture and Society in China*, timezone 8 (text and images)

Lectures

2011 Marylhurst University, *Powers of 20: Systems/Technology*, "Oblique Innovations", January 21, Port of Portland,
Portland, OR

Courses Taught

2019 Spring Term, University of Oregon, School of Architecture and Allied Arts, Portland
Professional Installations (ARCH 423/523) 3 credits

2019 Winter Term, University of Oregon, School of Architecture and Allied Arts, Portland
BIM/Revit (AAAP 410/510) 3 credits

2018 Fall Term, University of Oregon, School of Architecture and Allied Arts, Portland
Algorithmic Modeling (ARCH 423/523) 3 credits

2018 Spring Term, University of Oregon, School of Architecture and Allied Arts, Portland
Professional Installations (ARCH 423/523) 3 credits

2017 Fall Term, University of Oregon, School of Architecture and Allied Arts, Portland
Diagrammatic Modeling (ARCH 423/523) 3 credits

2016 Spring Term, University of Oregon, School of Architecture and Allied Arts, Portland
Media for Design Development (ARCH 423/523) 3 credits

2015 Fall Term, University of Oregon, School of Architecture and Allied Arts, Portland
BFA Studio (PD 486) 6 credits
Fabrication Tactics (AA 408/508) 3 credits
Res Portland (AA 601) 3 credits
Intern Fabrication (AA 404) 1 credit

2015 Spring Term, University of Oregon, School of Architecture and Allied Arts, Portland
Professional Installations (AA 408/508) 3 credits

2014 Fall Term, University of Oregon, School of Architecture and Allied Arts, Portland
BFA Studio (PD 486) 6 credits
Fabrication Tactics (AA 408/508) 3 credits
Intern Fabrication (AA 404) 4 credits

2014 Spring Term, University of Oregon, School of Architecture and Allied Arts, Portland
Professional Installations (AA 408/508) 3 credits
Res Portland (AA 601) 2 credits

2014 Winter Term, University of Oregon, School of Architecture and Allied Arts, Portland
Advanced Fabrication Tactics (AA 408/508) 3 credits

2013 Fall Term, University of Oregon, School of Architecture and Allied Arts, Portland
Fabrication Tactics (AA 408/508) 3 credits
Fabrication Tactics (AA 408/508) 3 credits
Intern Fabrication (AA 404) 5 credits
Intern Fabrication (AA 604) 2 credits

2013 Spring Term, University of Oregon, School of Architecture and Allied Arts, Portland
Professional Installations (AA 408/508) 3 credits
Intern Fabrication (AA 404) 3 credits

2013 Winter Term, University of Oregon, School of Architecture and Allied Arts, Portland
Made In-House (AA 408/508) 3 credits

2012 Fall Term, University of Oregon, School of Architecture and Allied Arts, Portland

- Fabrication Tactics* (AA 408/508) 1 credit
Fabrication Tactics (AA 408/508) 1 credit
Fabrication Tactics (AA 408/508) 1 credit
- 2012 Spring Term, University of Oregon, School of Architecture and Allied Arts, Portland
Professional Installations (AA 408/508) 3 credits
Special Problems (Arch 606) 1 credit
Special Problems (Arch 606) 1 credit
- 2012 Winter Term, University of Oregon, School of Architecture and Allied Arts, Portland
Made In-House (AA 408/508) 3 credits
- 2011 Fall Term, University of Oregon, School of Architecture and Allied Arts, Portland
Fabrication Tactics (AA 408/508) 1 credit
Fabrication Tactics (AA 408/508) 1 credit
Fabrication Tactics (AA 408/508) 1 credit
- 2011 Summer Term, University of Oregon, School of Architecture and Allied Arts, Portland
Laser Cutting (AA 408/508) 1 credit
Additive Fabrication (AAA 408/508) 1 credit
Subtractive Fabrication (AAA 408/508) 1 credit
- 2011 Spring Term, University of Oregon, School of Architecture and Allied Arts, Portland
Professional Installations (AAA 410/510) 3 credits
Intern Fabrication (AAA 404) 3 credits
Sp Pr Portland (ARCH 406) 4 credits
Sp Pr Portland (ARCH 606) 1 credits
- 2011 Winter Term, University of Oregon, School of Architecture and Allied Arts, Portland
Automated Fabrication (AAA 410/510) 1 credit
- 2010 Fall Term, University of Oregon, School of Architecture and Allied Arts, Portland
Synthetic Sneaks (Arch 423/523) 3 credits
- 2010 Summer Term, University of Oregon, School of Architecture and Allied Arts, Portland
CNC Cuisine (AAA 410/510) 1 credit
CNC Couture (AAA 410/510) 1 credit
- 2010 Spring Term, University of Oregon, School of Architecture and Allied Arts, Portland
Professional Presentations (Arch 410/510) 1 credit
- 2010 Winter Term, University of Oregon, School of Architecture and Allied Arts, Portland
Subtractive Fabrication (AAA 410/510) 1 credit
Model Making Strategies (Arch 410/510) 1 credit
- 2009 Fall Term, University of Oregon, School of Architecture and Allied Arts, Portland
3D Modeling/Printing (AAA 410/510) 1 credit
- 2009 Summer Term, University of Oregon, School of Architecture and Allied Arts, Portland
Laser Cutting (AAA 410/510) 1 credit

CAD/CAM Fundamentals (AAA 410/510) 1 credit

Additive Fabrication (AAA 410/510) 1 credit

Subtractive Fabrication (AAA 410/510) 1 credit

2009 Spring Term, University of Oregon, School of Architecture and Allied Arts, Portland

Fabrication Tactics (AAA 410/510) 1 credit

Model Making Strategies (Arch 410/510) 1 credit

Research Projects

2014 Fall Term, Oregon Department of Geology and Mineral Industries, <http://www.oregongeology.org/>

Fabrication support for Ian Madin, Interim State Geologist, DOGAMI

Converted LIDAR point data of Crater Lake into polygonal mesh object.

3D printed scale model of Wizard Island in Crater Lake National Park, Oregon.

2013 Spring Term, Ideal Equine Gear, <http://idealequinegear.com/>

Faculty Advisor for Michael Bartell, BFA Product Design

Coordinated a CT scan of an equine distal forelimb at the OSU College of Veterinary Medicine.

Converted DICOM imagery into a digital model for stereolithographic output.

3D printed a scale model of an equine distal forelimb.

Assisted with submitting an Onami Grant application.

2013 Spring Term, A2 Architectural Applications, <http://www.architecturalapplications.com/>

Fabrication support for John Breshears, Adjunct Faculty, University of Oregon, Department of Architecture

Provided finishing services for a proof of concept model.

2012 Spring Term, CityVision New York Competition, <http://www.cityvisionweb.com/>

Faculty Advisor for Meagan Dickemann and Sara Ruzomberka, M.Arch

Assisted with submitting, *Growing the Grid: Envisioning a future Manhattan with living streets (D7B259)*.

2011 Spring Term, Arcimoto, Inc., <http://www.arcimoto.com/>

Faculty Advisor for Daniel Munger, BFA Product Design

Analyzed and prepared a digital model for FDM rapid prototyping.

Printed a scale model of an electric vehicle.

University Lab Improvements

2018 Advocated for repairing a leak that caused significant water damage to ceiling and equipment

2017 Tested and discovered elevated levels of radon gas in the Lab

2016 Redeveloped training program for shop technicians and safety orientation process for incoming students.

2015 Designed and installed a compressed air system for the White Stag Innovation Lab.

Designed and fabricated work tables with bolted fabric storage for White Stag Innovation Lab.

Consulted on the installation of a laser cutter exhaust system for White Stag Innovation Lab.

2014 Purchased and installed vacuum thermoformer for the UO Portland Fabrication Lab.

Served on the White Stag Innovation Lab Project Committee for Sports Product Management.

2013 Consulted for the UO Science Library on purchasing and maintaining a 3D printer.

Designed and installed a compressed air system for using pneumatic tools and processes in the Portland Fab

Lab.

Served on the White Stag Innovation Lab Project Committee for Sports Product Management.

2012 Consulted for the UO AAA Product Design department on purchasing and maintaining a 3D printer.

Designed and Published the Fab Lab Portland web site, <http://pdxfablab.uoregon.edu/>.

Developed a new budget model for operating and maintaining the Portland Fab Lab.

2011 Consulted for UO AAA Facilities Services on purchasing and maintaining a 3D printer for facilities in Eugene.

Launched an online calendar for reserving fabrication equipment and an online student orientation database.

2010 Developed new budget model for operating and maintaining the Portland Fab Lab.

2009 Assisted with establishing the UO AAA Faculty summer residency program in Portland.

Influenced the shop culture and orientation procedures for operating the fabrication equipment used in Eugene.

Consulted for UO AAA Facilities Services on purchasing and maintaining laser cutters for facilities in Eugene.

Developed an interdisciplinary curriculum in digital fabrication for the UO AAA Portland Programs.

2008 Developed the shop culture and orientation procedures for operating the fabrication equipment in Portland.

Developed a projected budget model for operating and maintaining the Portland Fab Lab.

Planned, purchased, and installed tools for a state of the art digital fabrication facility for the UO AAA, Portland.

University of Oregon Service

2016

Design consultant for lending library display for the UO Portland Library.

Hosted panels for "What is Media?" Conference organized by Janet Wasko and Jeremy Swartz, UO SJOC.

Supervised Carlos Saca, ARCH, with fabricating front desk for the UO Portland Library.

2015

Designed and fabricated a drone rig for VR video capture for Wesley Pope, UO Portland SJOC.

Appraised Direct Color Systems sublimation printer donated to Product Design.

Hosted tour of the White Stag Innovation Lab and Fabrication Lab for Adidas Innovation Group.

Hosted tour of the White Stag Innovation Lab and Fabrication Lab for Nike Innovation Group.

2014 Assisted with hosting SPM Rapid Experiment Project.

Assisted with facility layout and purchasing sewing equipment for UO White Stag Innovation Lab.

Hosted tour of the White Stag Innovation Lab for A&AA Advisory Board.

Hosted tour of the White Stag Innovation Lab for Lundquist School of Business.

Supervised Alexandra Rodriguez, PD, with fabricating display shelves for the UO Portland Library.

Technical Assistant for The Art of Shoemaking workshop held in White Stag Innovation Lab.

Fabricated sandwich boards and signage for UO Portland White Box.

3D printed components for Design Week Portland event held in the SPM White Stag Innovation Lab.

2013 Hosted a tour for the Dean of Engineering and faculty from PCC Sylvania.

Consulted Stefan Cristobal, PD, with Future of Footwear prototype for MAGIC, Las Vegas.

Consulted Portland Student Action Council on re-designing A-frame panels for final reviews.

3D printed files for Jason Germany's PD430 course in Eugene during Fall/Winter/Spring Terms.

2012 Fabricated 200 A-frame panels for final reviews and NAAB accreditation reviews in Eugene.

3D printed files for Jason Germany's PD430 course in Eugene during Fall/Winter/Spring Terms.

- 2011 Served on the Design Communications Committee, Department of Architecture.
Fabricated 100 A-frame panels for final reviews.
3D printed files for Jason Germany's PD430 course in Eugene during Fall/Winter/Spring Terms.
3D printed files for Wonhee Arndt's PD410 course in Eugene during Fall/Winter/Spring Terms.
- 2010 Installed 20 pin-up panels in classrooms at the White Stag for UO Portland Programs.
Recruited an adjunct faculty pool for teaching a curriculum offered in digital fabrication.
Fabricated 500 bookmarks for Rotarian Centennial Dinner presented by UO Academic Affairs.
Fabricated custom bookmarks for the UO Board of Visitors meeting in Portland.
Fabricated low cost A-frame panels for final reviews.
3D printed files for Erin Moore's Lyceum Competition studio in Eugene during Fall Term.
3D printed files for John Park's ARTD471 course in Eugene during Fall Term.
3D printed files for Jason Germany's PD430 course in Eugene during Fall/Winter/Spring Terms.
- 2009 Designed a gift concept for the University of Oregon Law School Alumni Association.
Supervised the installation of the Naito Family Legacy Project at the White Stag.
Supervised TrucBui, M.Arch, with fabricating DVD cases for the UO Portland Library.
Fabricated 3 steel display panels for UO A&AA Portland Programs.
Fabricated 6 vitrine display cases for the White Box gala opening.
Fabricated 400 business card holders using recovered materials from the White Stag renovation for the Sustainable Business Oregon Luncheon presented by UO Academic Affairs.
Fabricated 200 cookies laser etched with the UO logo and "GO DUCKS!" for Academic Affairs.
Fabricated 100 custom bookmarks for the UO Board of Visitors meeting in Portland.

Professional Consulting

- 2016 Consulted El Camino College, Torrance, CA on developing a Fab Lab facility for their campus.
- 2015 Consulted Oregon College of Arts and Crafts on developing a Fab Lab facility for their campus.
- 2014 Consulted for Ankrom Moisan Architects on developing a model shop for their new office.
Consulted for Suzanne Lee on two public art installations.
- 2013 Consulted BOORA Architects on purchasing a laser cutter for their model shop.
- 2012 Consulted for SERA Architects on developing a model shop for their office.
Consulted PD BFA Matt Kennedy on developing fabrication business, Digital Craft PDX.