

Alex Lobos

Rochester, NY 14618

+1(585) 743-7664
Alex.Lobos@rit.edu

v

Academic Appointments

Rochester Institute of Technology (RIT), NY

- Professor, College of Art and Design – 2019-present
- Graduate Director, Industrial Design – 2016-present
- Extended Faculty, Golisano Institute for Sustainability – 2011-present
- Associate Professor, College of Art and Design – 2015-2019
- Paul & Francena Miller Professor for International Education – 2014-2016
- Assistant Professor, College of Imaging Arts and Sciences – 2009-2015

Universidad de Monterrey, México

- Visiting Professor, Centro Gaza Sada de Arquitectura, Arte y Diseño – 2014-2015

University of Illinois at Urbana-Champaign, IL

- Visiting Assistant Professor, College of Fine and Applied Arts – 2008-2009

Universidad Rafael Landivar (URL), Guatemala

- Adjunct Professor, Facultad de Arquitectura y Diseño – 2001-2002 & 2006-2008

Professional Experience

Autodesk, Inc., San Francisco CA

- Research Fellow Emeritus – 2020-present
- Visiting Research Fellow – 2019-20
- Design Education Consultant – 2015-2016

General Electric, Louisville KY

- Industrial Designer – 2005-2008

Education

University of Notre Dame, IN

Master of Fine Arts, Industrial Design – 2005

Thesis: Natural Dishwashers – An exploration on implementing Emotional Design to home appliances. Sponsored by Whirlpool Corporation.

Universidad Rafael Landivar, Guatemala

Bachelor of Industrial Design – 2001

Thesis: Un Bajo Ergonómico: desarrollo de un bajo eléctrico que se acomoda eficazmente al cuerpo humano (An Ergonomic Bass: development of an electric bass guitar that efficiently fits the human body).

Industry Collaborations

Stryker

- Integrating Medical Technologies in the Home – 2019

Autodesk

- Innovative Learning and Design methods – 2018-2019
- Iterative Process and 3D printing – 2018
- Cross-Disciplinary Projects in Design & Engineering
- Sustainable Product Design with Fusion 360 – 2015
- Hybrid Ideation and Fabrication – 2013-2014

Makerbot

- Iterative Process and 3D printing – 2018

**Industry Collaborations
(continued)****Wegmans & American Packaging Corp.**

-Sustainable Packaging Design – 2015, 2012

General Electric

-Home Appliances for Sustainable Living – 2014

Unilever

-Sustainable Packaging Design – 2014

Staples Eco-Lab

-Office of the Future – 2013

Sun Products

-Sustainable Packaging Design – 2012

AT&T

-Technology and Environment Award Program – 2011

Colgate/Palmolive & American Packaging Corp.

-Sustainable Packaging Design – 2011

Kraft Foods & American Packaging Corp.

-Sustainable Packaging Design – 2011

Publications**“Learning Tools for Life-long Growth”**

Autodesk University. San Francisco CA. Peer-reviewed article – 2021

<https://autode.sk/3vJBV3A>

“Applying Generative Design to Product Design”

Generative Design International Conference. Rome, Italy. Peer-reviewed conference proceedings – 2019

https://www.generativeart.com/GA2019_web/04_AlexLobos.pdf

“Tangible sketching with 3D printing”

Alex Lobos, Felipe Castañeda & Stan Rickel. International Design Conference & Education Symposium. Chicago, IL. Peer-reviewed conference proceedings – 2019

<https://www.idsa.org/educationpaper/tangible-sketching-3d-printing>

“Finding Balance in Generative Product Design”

NordDesign Conference: Design in the era of digitalization – 2018

Linköping, Sweden. Peer-reviewed conference proceedings

<https://www.designsociety.org/publication/40905/Finding+balance+in+Generative+Product+Design>

“Statefulness and Tangible interaction in Design Education”

Alex Lobos & Tim Wood. Industrial Designers Society of America International Conference and Education Symposium. Atlanta, GA. Peer-reviewed conference proceedings – 2017

<http://www.idsa.org/educationpaper/statefulness-and-tangible-interaction-industrial-design-education>

“Redefining Sustainable Potential in Product Design”

Cumulus International Design Conference. Kolding, Denmark. Peer-reviewed conference proceedings – 2017

<http://cumuluskolding2017.org/proceedings/>

Publications (continued)

“Mending Broken Promises in Sustainable Design”

Ed. Jonathan Chapman. Routledge Handbook of Sustainable Product Design
Taylor & Francis, UK. ISSN: 9781138910171. Invited book chapter – 2017
<https://www.routledge.com/Routledge-Handbook-of-Sustainable-Product-Design/Chapman/p/book/9781138910171>

“Life cycle thinking and sustainable design for emerging consumer electronic product systems”

Erinn G. Ryen, Callie W. Babbitt, Alex Lobos. Ed. Rachel Beth Egenhoefer. Routledge Handbook of Sustainable Design Taylor & Francis, UK. ISSN: 9781138650176. Invited book chapter – 2017
<https://www.routledge.com/Routledge-Handbook-of-Sustainable-Design/Egenhoefer/p/book/9781138650176>

“Beyond Death: Using design to transcend life, memories and traditions”

10th International Conference on Design and Emotion. Amsterdam, Netherlands. Peer-reviewed conference proceedings – 2016
<https://scholarworks.rit.edu/other/864/>

“Hybrid Ideation and Fabrication”

Alex Lobos & Stan Rickel. Industrial Designers Society of America International Conference and Education Symposium. Seattle, WA. Peer-reviewed conference proceedings – 2015
<http://www.idsa.org/hybrid-ideation-and-fabrication>

“Diseño Sostenible en Teoría y Práctica”

Signa Magazine. Editorial Cara Parens, Guatemala. Vol. 5, pp. 91-94. ISSN 2304-8794. Peer-reviewed magazine article – 2015
http://www.url.edu.gt/PortalURL/Archivos/01/Archivos/revista_signa2015.pdf?sm=c46

“Timelessness in Sustainable Product Design”

10th International Conference on Design and Emotion. Bogotá, Colombia. Peer-reviewed conference proceedings – 2014
<https://scholarworks.rit.edu/other/863/>

“Benefits of Video Presentations in Product Design”

International Journal of Technology and Inclusive Education. Vol. 2, No. 3, pp. 208-213. Peer-reviewed journal article – 2014
<http://www.infonomics-society.org/IJITIE/Benefits%20of%20Video%20Presentations%20in%20Product%20Design%20.pdf>

“Model for Interdisciplinary Collaboration in Packaging Design”

Lorrie Frear, Alex Lobos & Sandra Turner. The International Journal of Designed Objects. Vol. 7, No. 1, pp. 1-16. Peer-reviewed journal article – 2013
<http://ijgo.cgpublisher.com/product/pub.237/prod.33>

“Integrating Emotional Attachment and Sustainability in Product Design”

Alex Lobos & Callie Babbitt. Challenges Journal - Special Issue: Electronic Waste. Vol. 4, No. 1, pp. 19-33. Peer-reviewed journal article – 2013
<http://www.mdpi.com/2078-1547/4/1/19>

“A Model for Trans-disciplinary Collaboration in Packaging Design”

Lorrie Frear, Alex Lobos & Sandra Turner. Industrial Designers Society of America International Conference and Education Symposium. Boston, MA. Peer-reviewed proceedings – 2012
<http://idsa.org/2012internationalconference-symposium>

Presentations**"Enhancing design (neuro)diversity"**

Peer-reviewed speaker: International Design Conference
Industrial Designers Society of America (presented online) – 2021

"Neurodiversity as Design Superpower"

Peer-reviewed speaker: World Industrial Design Day: Let's talk Diversity.
World Design Organization (presented online) – 2021
<https://youtu.be/C9nSIQGLQnQ>

"A collaborative framework for role-based credentialing systems"

Peer-reviewed speakers: Alex Lobos and Daniela Steinsapir. Teaching – Learning –
Research Conference. University of Manchester, UK. Routledge, Amps, Parade. (presented
online) – 2020

"Diseñando el Futuro"

Invited speaker. Festival Vertice. Universidad Rafael Landivar, Guatemala.
(presented online) – 2020

"Connecting Technology, Tools and Human Experience"

Autodesk University Conference. (presented online) – 2020
<https://www.autodesk.com/autodesk-university/conference/theater-talks?wchannelid=uy0j8i3r0u&wmediaid=znkyvjvtxo>

"Advanced Direct Modeling in T-Splines and Parametric Design"

Autodesk University Conference. (presented online) – 2020
<https://www.autodesk.com/autodesk-university/class/Advanced-Direct-Modeling-T-Splines-and-Parametric-Design-2020>

"Design and Identity"

Invited speaker. Advanced Design Lens. Chicago IL (presented online) – 2020
<https://youtu.be/870l2UKAsbU>

"Design and Beauty"

Invited panelists: Alex Lobos, Laura Silva, Hector Silva (Moderator).
IDSA Design Voices. Herndon VA (presented online) – 2020
<https://vimeo.com/426116699>

"Innovative Designs and Procedural Patterns with Fusion 360 and Maya"

Autodesk University Conference. Las Vegas NV – 2019
<https://www.autodesk.com/autodesk-university/class/Innovative-Designs-and-Procedural-Patterns-Fusion-360-and-Maya-2019>

"Advanced Rendering in Fusion 360: Photorealistic Visual Storytelling"

Autodesk University Conference. Las Vegas NV – 2019
<https://www.autodesk.com/autodesk-university/class/Advanced-Rendering-Fusion-360-Photorealistic-Visual-Storytelling-2019>

"Digital Tangible: Tecnología, fabricación y experiencias reales en el Diseño"

Keynote speaker: Design Week. Universidad Francisco Marroquín. Guatemala – 2019
<https://newmedia.ufm.edu/video/uso-de-tecnologia-analoga-y-digital-en-diseno-industrial/>

"Diseño Generativo: Combinando naturaleza y tecnología"

Invited speaker: Bienal Iberoamericana de Diseño. Madrid, Spain – 2018

"Next-level design workflows in Fusion 360"

Peer-reviewed speaker: Autodesk University Conference. Las Vegas NV – 2018
<https://www.autodesk.com/autodesk-university/class/Next-level-design-workflows-Fusion-360-mixing-T-Splines-meshes-and-Voronoi-based-patterns>

Presentations (continued)**“3D printers as sketchbooks: a guide to tangible iterative design”**

Peer-reviewed speakers: Alex Lobos and Felipe Castañeda. EduCause Conference. Denver, CO – 2018

“El Objeto del Ecodiseño Emocional”

Invited speaker: Andrea Gonzalez & Alex Lobos (virtual presentation). 3rd Symposium RADE – Academic Network of Emotional Design. Universidad Autónoma Metropolitana. Cuajimalpa, México – 2018

“Organic Modeling the Easy Way in Fusion 360”

Featured speakers: Alex Lobos & David Villarreal. Autodesk University Conference. Las Vegas NV – 2017

<https://www.autodesk.com/autodesk-university/class/Organic-Shapes-Easy-Way-Direct-Modeling-Fusion-360-2017>

“T-Splines modeling and photorealistic rendering in Fusion 360”

Peer-reviewed speakers: Alex Lobos and Colin Smith. Autodesk University Conference. Las Vegas NV – 2016

<https://www.autodesk.com/autodesk-university/class/Its-All-Details-T-Splines-Modeling-and-Photorealistic-Rendering-Fusion-360-2016>

“Diseñando Tradiciones, Tecnología y Durabilidad”

Keynote speaker: 30 Years of Industrial Design. Universidad Rafael Landívar, Guatemala – 2016

“Life, Behavior and Death in Sustainable Design”

Invited speaker: Fabrica Design Research Center. Treviso, Italy – 2016

<https://vimeo.com/153348413>

“Sustainability and Emotional Attachment in Design”

Invited speaker: University of Ferrara. Ferrara, Italy – 2016

“Bridging digital and analog models in Fusion 360”

Peer-reviewed speaker: Autodesk University Conference. Las Vegas NV – 2015

<http://au.autodesk.com/au-online/classes-on-demand/class-catalog/2015/fusion-360/cp9883#chapter=0>

“Diseño, Emoción y Sostenibilidad”

Keynote Speaker: Pontificia Universidad Católica del Perú. Lima, Perú – 2014

“Integrando Diseño y Emoción”

Invited Speaker: 5th U-Design International Conference. Monterrey, México – 2014

<http://www.udem.edu.mx/Esp/Noticias-Eventos/Pages/Noticias/2014/marzo/primer-coloquio-udesign.aspx>

“Unleashing the Power of Fusion360 in Product Design”

Featured Speakers: Alex Lobos and Keqing Song. Autodesk University. Las Vegas NV – 2013

<https://www.autodesk.com/autodesk-university/class/Unleashing-Power-Fusion-360-Product-Design-2013>

“Collaborative, cross-disciplinary, project-based courses for Innovation and Sustainable Design”

Peer-reviewed speakers: Adam Menter, Dawn Danby & Alex Lobos. Autodesk University. Las Vegas NV – 2011

“Education and Industry: Working Together to Advance the Practice of Sustainable Design”

Peer-reviewed speakers: Adam Menter & Alex Lobos. IDSA International Conference. New Orleans LA – 2011

<http://sustainabilityworkshop.autodesk.com/blog/id-and-engineering-collaboration-sustainable-design-idsa-talk>

Presentations (continued)**“Bringing together Emotional Design and Sustainability”**

Invited speaker: IDSA Midwest Conference. St. Louis MO – 2011
<http://www.idsa.org/2011MidwestDistrictConference-speakers>

“A model trans-disciplinary curriculum for sustainable design of electronics”

Peer-reviewed speakers: Callie Babbitt, Alex Lobos, Ana Maria Leal-Yepes and Sandra Turner. Electronics and Sustainability Symposium. Champaign IL – 2011
<http://www.sustainelectronics.illinois.edu/symposia/2011/>

Invited Workshops**“Super Especulativo: Design Jam”**

Festival Vertice. Universidad Rafael Landivar, Guatemala – (presented online) 2020

“Integrating User-Centered Design and Sustainability”

Universidad Rafael Landivar, Guatemala – 2016

“Beyond our Reach - Influencing Emotion and Behavior in Design”

University of Ferrara, Italy – 2016

“Methods for Collaborative Design” Faculty workshop

Pontificia Universidad Católica del Perú – 2016

“Sustainability and Emotional Attachment in Design”

Universidad Rafael Landivar, Guatemala – 2014

“Sustainable Design and Emotion”

Pontificia Universidad Católica del Perú – 2014

“Applying Emotional Design”

Centro Gaza Sada. Universidad de Monterrey, México – 2014

“User-centered design in home appliances”

ISTHMUS Norte: Escuela de Arquitectura y Diseño. Chihuahua, México – 2012

“Sustainable design for electronic products”

National Taiwan University of Science and Technology. Taipei, Taiwan – 2011

“User-centered design in Healthcare”

ISTHMUS: Escuela de Arquitectura y Diseño. Panamá City, Panamá – 2008

Honors and Awards**Outstanding Alumni****Innovation Award**

Morfos – Universidad Rafael Landivar – 2021

Ibero American Design Biennial – Inclusion of Spiral table lamp

DI_Mad – Madrid, Spain – 2020

Frank J. Romano Innovative 3D project Award

Rochester Institute of Technology – 2019, 2018, 2017

Richard & Virginia Eisenhart Award for Excellence in Teaching

Rochester Institute of Technology – 2018

Featured Scholar

Rochester Institute of Technology – 2015

**Honors and Awards
(continued)****Fusion 360 Education Award**
Autodesk, San Francisco CA – 2013**U.S. Congressional Recognition**
Tom Reed, U.S. House of Representatives – 2011**Fulbright scholarship**
William F. Fulbright Foundation, US Department of State – 2002-2004

Patents**Laundry Cleaning Product**
US No. 20130326996 A1 – 2013
Assignee: Purecap, LLC. Inventors: Domenico Colaprete, Katherine Sears,
Laura Weller-Brophy, Alex Lobos.
<http://www.google.com/patents/US20130326996>**Energy Management of Household Appliances**
International No. WO/2010/031027. US No. 8,548,635 – 2010
Assignee: General Electric Company. Schenectady NY. Inventors: Rita Barksdale, Chris
Bissig, Anthony Cooper, Timothy Hamel, Telema Harry, Alex Lobos, Alexander Rafalovich,
Martin Severance, Eric Watson.
<http://www.google.com/patents/US20100179708>

Professional Engagement**Advisory Council Member**
-Autodesk University – 2016-present**Design Competition Juror**
-Core77 Awards – 2021
<https://designawards.core77.com/Design-Education-Initiative>
-Bienal Iberoamericana de Diseño (Ibero American Design Biennial) - 2018
<https://www.bid-dimad.org/en/home/>
-IDEA Excellence Design Awards – 2017-2018
<http://www.idsa.org/awards/idea/jury/2018>
-Cradle to Cradle Product Design Challenge – 2015
<https://www.c2ccertified.org/connect/design-challenge>
-International Housewares Association – 2013-2015
<https://www.theinspiredhomeshow.com/explore/awards/gia-excellence-in-student-design/>
Conference Lead Organizer
-Connecting the Dots Workshop Series – January 2021
-IDSA Northeast Design Conference – April 2018
<http://www.idsa.org/NDDC-2018>**Editorial Committee Member**
-Material Design Journal, University of Ferrara, Italy – 2015-2019
http://www.materialdesign.it/it/journal-md/_64.htm**Tenure and Promotion External Reviewer**
-Syracuse University – 2020
-Maryland Institute College of Art (MICA) – 2019
-Carnegie Mellon University – 2017
-University of Illinois Urbana-Champaign – 2017**Book Reviewer**
-Oxford University Press – 2014

**Professional Engagement
(continued)****Journal and conference articles' reviewer**

-Cumulus Association – 2017
-Industrial Designers Society of America – 2015-2016
-Journal for Applied Ergonomics – 2014
-Journal of Science in Society – 2013

Associate Editor and Reviewer

-Journal of Design Objects – 2012
-Journal of Design Principles and Practices – 2010

Media Mentions**From Design for Autism to Design with Autism (Italian translation)**

Il Giornale dell' Architettura

<https://ilgiornaledellarchitettura.com/2021/05/07/dal-design-per-al-design-con-lautismo/>

Context Podcast: Alex Lobos

Advanced Design – February 23, 2020

<https://anchor.fm/advanced-design/episodes/033---Alex-Lobos-eb0k4v>

RIT collaborates with Stryker

RIT University News – February 18, 2020

https://youtu.be/Hiqfl_oFzrU

RIT and Autodesk sign agreement that expands collaboration across university

RIT University News – April 12, 2019

<https://www.rit.edu/news/rit-and-autodesk-sign-agreement-expands-collaboration-across-university>

Industrial design professor combines passions at RIT

RIT University News – April 12, 2018

<https://www.rit.edu/news/industrial-design-professor-combines-passions-rit?id=66468>

Design Research at RIT

RIT News – April 5, 2018

<https://youtu.be/RmnEX8lynu0>

Research fuels ideas and creativity that power RIT designers

RIT Research Magazine – Spring 2018

<https://www.rit.edu/research/feature/april-2018/research-fuels-ideas-and-creativity-power-rit-designers>

RIT and Autodesk focused on designing for success

RIT Athenaeum magazine – April/May 2017

<https://www.rit.edu/news/story.php?id=60961>

Fridges of the Future

The Toronto Star newspaper – May 12, 2016

<https://www.thestar.com/life/2016/05/12/fridges-of-the-future.html>

Sustainable Design Education: an educator's perspective

Autodesk – 2015

<https://youtu.be/bqQeXQXdIH0>

Ten Faculty to Watch

RIT Athenaeum magazine – October 09, 2014

http://www.rit.edu/news/athenaeum_story.php?id=51023

What Goes Beep in the Night

The New York Times – February 20, 2014

http://www.nytimes.com/2014/02/20/garden/what-goes-beep-in-the-night.html?rref=garden&hpw=&_r=1

'er. 08/03/2021