Michael Lye

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EDUCATION

Rhode Island School of Design, Providence, Rhode Island. Concentration in user research, Universal Design and consumer products. Worked on sponsored studios with Kodak, Dansk, Gorham Silver and Frigidaire Appliances. Bachelor of Fine Arts (Honors). 1996

The Johns Hopkins University, Baltimore, Maryland. Concentration in physics and mathematics. 1977-1980

PROFESSIONAL EXPERIENCE

Assistant Professor, Term Appointment, Industrial Design Department, Rhode Island School of Design. Taught advanced level industrial design studios for graduate and undergraduate students, including "The RISD/Brown Collaboration Studio" with Brown University, Division of Engineering. Other responsibilities include curriculum development, undergraduate advising, and graduate student thesis advising. Research on ergonomics and human factors in space suit simulators with NASA. Mentor for RISD Human Exploration Rover Challenge team. Providence, Rhode Island.
2017 – 2018

Principal, Michael Lye Industrial Design, Industrial design and design research in the areas of consumer products, lighting, furniture, database and user-interface design with special emphasis on user research, ethnography, Universal Design and human-centered design. Clients include: Population Health Collaboratory at Dartmouth-Hitchcock Medical Center, Rhode Island Hospital, Massachusetts General Hospital, Institute for Technology Assessment, MGH Center for Comparative Medicine, MGH Hand Hygiene and Hospital Acquired Infections workgroup, Factory Five Racing, Design Ergonomics, Ergonomic Products, Maytag, Nessen/D'Ac Lighting, and the Business Innovation Factory. Providence, Rhode Island.
1999 – present

NASA Coordinator, Industrial Design Department, Rhode Island School of Design.
Responsible for three primary areas: academic integration, administrative management and relationships between RISD, NASA and the Rhode Island Space Grant Consortium. Academic duties include: pedagogy, research, and strategic curriculum development. Administration and management duties include: grant writing, development of RISD's internship program at NASA, budget management, and documentation. Rhode Island Space Grant duties include: Affiliate representation, and coordination. Providence, Rhode Island.
2007 – present

Senior Critic, Industrial Design Department, Rhode Island School of Design.
Responsible for teaching advanced level industrial design studios for graduate and undergraduate students, including "Design for Extreme Environments" - an interdisciplinary studio collaboration with NASA's Johnson Space Center Human Factors and Habitability Office along with students from the Industrial Design and Interior Architecture departments. Additional responsibilities include graduate student thesis project advising and overseeing independent study projects. Mentor for RISD Human Exploration Rover Challenge team. Providence, Rhode Island.
2006 – present

Teaching Associate in Engineering, School of Engineering, Brown University.
Appointment to teach collaborative studio class involving engineering students from Brown and Industrial Design students from RISD. Providence, Rhode Island.
2011 - 2017

Co-founder and Principal Designer, Clique. "Blending nourishment, technology and art in a wonderfully convenient way." Designed, developed and prototyped a "premium, made-to-order, intelligent beverage dispensing machine" for chilled drinks on-demand. User research uncovered the need for new choices, better user experiences and improved aesthetics in the vending machine market. Providence, Rhode Island.
2014 – 2015

Consultant Designer, RFID in Clinical Workflow Project, Institute for Technology Assessment, Massachusetts General Hospital. Direct technology integration and user experience research and design in order to incorporate RFID technology into a clinical environment to better understand how clinicians, staff and patients spend their time. Create an easy-to-use tool to measure process interventions; to provide data that will evaluate the effects of process interventions that may improve patient satisfaction, physician workflow and quality of care. Boston, Massachusetts.
2007 – 2014

Assistant Professor, Term Appointment, Industrial Design Department, Rhode Island School of Design. Taught advanced level industrial design studios for undergraduate students, including "Out of Gas!" - an interdisciplinary studio collaboration with Brown University, Division of Engineering. Other responsibilities include curriculum development, undergraduate advising, and graduate student thesis project advising. Providence, Rhode Island.
2008 – 2009

Design Director/Project Lead, Nursing Home of the Future program, Business Innovation Factory. Lead the project design efforts, provide direction to design team, and facilitate design team interactions at care facilities. Responsibilities include creation of a platform to test new ideas for long-term care in a real-world environment in partnership with designers, clinicians, service providers, product manufacturers and elder care experts; use of design research techniques to develop a detailed description of the current experience of nursing home and assisted-living residents; and problem and opportunities definition in conjunction with sponsors and partners. Develop written protocols for the NHoF lab, including team integration, new resident integration, site visits for lab sponsors/guests, cohort engagement; resident interviews, participatory design workshops, ethnographic research/observations. Define team roles and responsibilities, confidentiality requirements, contracting, logistics; test and refine protocol through two resident participation design workshops and one in-depth opportunity area investigation. Assist in the packaging of documentation of protocol tests for use in sponsor development and external communications. Provide input into sponsor and other external stakeholder communications. Providence, Rhode Island.
2008 – 2009

Director, NASA Summer 2008 Research Project, Industrial Design Department, Rhode Island School of Design. Directed a team of eight RISD graduate and undergraduate students from the Department of Industrial Design to design and build tools, equipment and mockups – such as a spacesuit simulator used to replicate the constraints imposed by a spacesuit similar to ones likely to be used on the surface of the moon – for future use by studios, faculty and other students. Other work included design, engineering and fabrication of a low-vacuum glove box used to demonstrate the difficulties of working with gloves in space, and the development of concepts for a partial or micro-gravity simulator to demonstrate the effects of gravity living in space or on another planet. Mentored team on design, engineering and fabrication processes. Providence, Rhode Island.
2008

Director, RISD/NASA Suitlock Project, Industrial Design Department, Rhode Island School of Design. Directed a team of five undergraduate and graduate students from the Department of Industrial Design in a collaborative research project with NASA personnel from Johnson Space Center's Habitability Design Center on a proposed lunar lander design with a specific focus on the airlock used for extra-vehicular activities (EVA). Led the team in developing a detailed understanding of the equipment, technology, and human factors in a lunar environment to create a successful approach for a minimum complexity/maximum utility suitlock that met the required constraints and allowed astronauts to have the most productive and safe time while on the lunar surface. The team-built mockup Mark III style spacesuits with appropriate dynamic and mobility constraints, along with two full-scale mockups of the suitlock style airlocks shipped to the Habitability Design

Center in Houston for further testing and evaluation by NASA. Providence, Rhode Island.
2007

NASA Project WS 2007, Industrial Design Department, Rhode Island School of Design. Habitability Design Center, Johnson Space Center, NASA. Developed and implemented a new collaborative team-based internship program with NASA's Habitability Design Center in Houston to build on work done during the fall '06 semester that offered RISD students further opportunities to learn from the valuable collaboration with NASA. Served as a RISD liaison and supervised interns. Developed an exhibit of RISD's work with NASA displayed at Johnson Space Center and in Rhode Island in conjunction with the Rhode Island Space Grant Consortium. Providence, Rhode Island; Houston, Texas.
2007

Critic, Industrial Design Department, Rhode Island School of Design.
Responsible for teaching advanced level industrial design studios for graduate and undergraduate students, including "Design for Extreme Environments" - an interdisciplinary studio collaboration with NASA's Johnson Space Center Human Factors and Habitability Office along with students from the Industrial Design and Interior Architecture departments. Additional responsibilities include graduate student thesis project advising and overseeing independent study projects. Providence, Rhode Island.
2004 – 2005

Co-Director, Healthcare Innovation Project, Business Innovation Factory and the Industrial Design Department, Rhode Island School of Design. Co-directed a team of six RISD students and alumni in a research project intended to explore and develop concepts for improving the patient - primary care physician experience and transitioning our current healthcare system from a "sick-care" model to a "well-care" model. This project leveraged the expertise of industrial, architectural, and graphic designers, along with patients and primary care providers, and other stakeholders of the Rhode Island healthcare system to create a detailed visualization of patients' experience, and a roadmap for improvement of the primary care system.
Providence, Rhode Island.
2006

Co-Director, RISD|Intel Collaboration, Industrial Design Department, Rhode Island School of Design. Co-directed a team of undergraduate and graduate researchers/designers in an exploration of the near future in handheld portable entertainment – in collaboration with Intel. Supervised design research intended to familiarize the team with current and near future technologies along with user needs and desires. Provided oversight for team in product conceptualization, development and presentation for review by Intel personnel. Providence, Rhode Island.
2005

Director, "Why Work?" Steelcase Summer Collaborative Project, Industrial Design Department, Rhode Island School of Design. Directed team of four graduate and undergraduate students in a design research collaboration with Steelcase, a global leader in the office furniture industry. Directed the student led team in investigations of office workers needs in the 21st century, with special emphasis on the use of design ethnography in problem definition and design inspiration. Providence, Rhode Island.
2004

Assistant Professor, Term Appointment, Industrial Design Department, Rhode Island School of Design. Responsible for teaching advanced level industrial design studios for undergraduate students, including "Design for Learning" - an interdisciplinary studio collaboration with Industrial Design, Interior Architecture, as well as students from Providence's Metropolitan Regional Career & Technical Center high school, exploring the design of elementary school classrooms, "Stop Thief!" - An interdisciplinary studio sponsored by the Kryptonite Corporation, and "Senior Studio" - for BFA students and BID students working on Degree Projects. Also responsible for teaching "Manufacturing Techniques," a required survey course for all Industrial Design undergraduates. Other responsibilities include curriculum development, undergraduate advising, and graduate student thesis advising. Providence, Rhode Island.
2002 - 2003

Adjunct Faculty, Foundation Studies, Rhode Island School of Design. Responsible for teaching first year students basics of three-dimensional design. Studio work in a variety of materials with an emphasis on form, space, mass, and volume, all elements inherent in three dimensions. New working processes and presentation skills stressed. Providence, Rhode Island.
2000

Adjunct Faculty, Industrial Design Department, Rhode Island School of Design. Responsible for teaching advanced level industrial design studios for undergraduate and graduate students. Graduate teaching responsibilities included seminars on History of Industrial Design. Specialized in working with corporate sponsors. In addition to a focus on conceptual, presentation and modeling skills, the studios placed special emphasis on teaching research, user-based and Universal design skills. Studios sponsored by the Maytag Corporation and Sikorsky Aircraft emphasized interpersonal and presentation skills and increased students' awareness of corporate design challenges. Studio projects included: complete redesign of the commercial Quick Service Restaurant kitchens, working with KFC restaurants and Blodgett kitchen equipment; of potential the home in the year 2020; home laundry appliances; helicopter interiors and exteriors; and projects which specifically addressed meeting user needs for the widest possible range of users. Providence, Rhode Island.
1999 - 2002

Project Manager, Universal Kitchen Project, Rhode Island School of Design. Principle liaison to the Project's corporate sponsors and sub-contractors. Coordinated and supervised the activities of the Universal Kitchen Project Workteam and student workers. Oversaw all aspects of production of exhibition models. Sourced and ordered components and materials required for construction of the models. Worked with curators and museum staff to oversee shipping and installation of the exhibit in museums. Other responsibilities included media and sponsor relations, fund-raising and educating the local community through seminars and talks, about the Project. Additional responsibilities included preparation and delivery of workshops, case studies and other training for Maytag Corporation personnel to assist in transfer of knowledge about the Universal Kitchen design and methodology. Providence, Rhode Island.
1997 - 2000

Designer, Universal Kitchen Project, Rhode Island School of Design. Researched existing kitchen components and environments, identified problems, analyzed demographic information, new technologies and future trends to design creative and innovative solutions suitable for the widest range of users. Special emphasis on user research, ethnography, and Universal Design. Worked with Frigidaire's Design Center in Columbus, Ohio, acting as liaison with design and model-making staff. Further developed and integrated earlier student concepts into final appearance models. Responsibilities also included presentation of concepts to sponsors and advisors, model- making in a variety of materials and scales, and producing CAD drawings for use by sponsors and sub-contractors. Awarded nine utility patents for work done during the Universal Kitchen Project. Providence, Rhode Island.
1996 - 1998

AWARDS AND GRANTS

Rhode Island Space Grant Consortium Grants, "Design for Extreme Environments." Principal Investigator. Grants totaling ~$500k for collaborative NASA/RISD studios, internships and research. Brown University. Providence, Rhode Island.
2004 – 2018

Nomination for the John R Frazier Award for Excellence in Teaching, recognizing teachers of distinction - those who inspire and educate students while demonstrating respect for them and concern for their growth. Rhode Island School of Design, Providence, Rhode Island.
2017

Hassenfeld Child Health Innovation Institute Grant, "Adjunctive Incentivizing Research (AIR) in Pediatric Asthma" in collaboration with Aris Garro, M.D., Gregory Jay, M.D., Ph.D, and Carolina Galindo. Rhode Island Hospital and Brown University, Providence, Rhode Island.

2016

Nomination for the John R Frazier Award for Excellence in Teaching, recognizing teachers of distinction - those who inspire and educate students while demonstrating respect for them and concern for their growth. Rhode Island School of Design, Providence, Rhode Island.
2016

NASA EPSCoR Research Award 2013, "Web-Scale Assisted Robot Teleoperation" Collaborator; with Peter Schultz, PI and Odest Jenkins, Sc-I, Brown University; Christopher N Roman, Collaborator, University of Rhode Island. Developing web-based interfaces for assisted teleoperation of robot manipulation systems to study questions of adjustable autonomy and broaden participation in robotics. $750k over 3 years.
2013 – 2015

Rhode Island Space Grant Research Infrastructure Grant, for "Piezoelectric acoustic enhancement of space suit gloves and boots for improved feedback control in manned space operations." with Seth Horowitz, $10k grant, Brown University. Providence, Rhode Island.
2011

Nomination for the John R Frazier Award for Excellence in Teaching, recognizing teachers of distinction - those who inspire and educate students while demonstrating respect for them and concern for their growth. Rhode Island School of Design, Providence, Rhode Island.
2009

Nomination for the John R Frazier Award for Excellence in Teaching, recognizing teachers of distinction - those who inspire and educate students while demonstrating respect for them and concern for their growth. Rhode Island School of Design, Providence, Rhode Island.
2008

Rhode Island School of Design Faculty Professional Development Grant, for rolling research prototypes of sustainable urban vehicles for developing nations. Providence, Rhode Island.
2006

Rhode Island School of Design and Brown University Committee on Institutional Advancement Grant, for "Design of Alternative Vehicles."
2004

Rhode Island School of Design Faculty Professional Development Grant, for documentation of research on sustainable vehicles and business models for developing nations, along with related exhibitions at the new South Providence business incubator. Providence, Rhode Island.
2003

Rhode Island School of Design Faculty Professional Development Grant, for research on sustainable vehicles. Providence, Rhode Island.
2002

Rhode Island School of Design Faculty Professional Development Grant, for the purpose of investigating the history and techniques of low-volume automobile manufacturing in Britain.
Providence, Rhode Island.
2001

Industrial Designers Society of America Special Award – Universal Kitchen Project
"For notable results, creative and innovative concepts, and long-term benefits to the profession, its educational function and society at large." Washington, DC.
2000

PUBLICATIONS

"Facilitating Interdisciplinary Collaboration to Tackle Complex Problems in Health Care: Report from an Exploratory Workshop." Witteman, Holly O., and James E. Stahl. on behalf of Interdisciplinary Solutions in Health Care Group. *Health Systems* 2.3 (2013): 162-70. published online 28 June 2013

"Aligning the Agendas of the Academy and the Community." Conference Paper, Proceedings of the 119th ASEE Annual Conference. Bull, Christopher, Maureen Kay Sigler and Michael Lye. American Society for Engineering Education, Washington, DC. June 2012

"Deploying and Adapting an Indoor Positioning System in the Clinical Setting." Lye, M., Stahl, J., & Holt, J. Chapter 25, in Silva, A & Simoes, R. (eds.) *Handbook of Research on Trends in Product Design and Development: Technological and Organizational Perspectives*. Hershey, PA: Business Science Reference, 2011

CONFERENCES

Beyond the Cradle: Envisioning a New Space Age, Exhibition of RISD MS1 Space Suit Simulator, MIT Media Lab, Cambridge, Massachusetts.
March 2017

Brown International Advanced Research Institute: *Connections and Flows: Water, Energy and Digital Information in the Global South.* Guest Critic, Brown University, Providence, Rhode Island.
June 2013

Advancing Technology and Policy Implementation and Research in Healthcare: An Interdisciplinary Workshop. Co-organizer and breakout session leader. Radcliffe Institute for Advanced Study, Harvard University, Cambridge, Massachusetts.
January 2011

Rhode Island Generations 2nd Annual Culture Change Symposium. Warwick, Rhode Island.
November 2008

Lunar Habitation Systems Workshop, sponsored by the NASA Exploration Systems Research & Technology Program's Intramural Project "Test Articles for Early Habitat Design Trades and Surface Systems Requirements Definition" Center for Advanced Space Studies (CASS) Houston, Texas.
September/November 2005

PRESENTATIONS

Guest Lecturer, Eesti Kuntsiakadeemia (Estonia Academy of Arts,) Design for Space Workshop. Tallinn, Estonia.
June 2018

Guest Lecturer, Tokyo College of Cycle Design, Workshop Human Powered Vehicle Design Workshop. Tokyo, Japan.
July 2018

"What's design got to do with it? (with apologies to Tina Turner)" Presentation for the Rhode Island Space Grant Consortium 2018 Annual Spring Symposium, Rhode Island School of Design, Providence, Rhode Island.
April 2018

Interdisciplinary Future: The Intersection of Fashion and Aerospace. Panel Discussion, Organized by FAAR: Fashion and Aerospace for Advanced Realities. Pivotal Labs, Cambridge, Massachusetts.
November 2017

"On Target for Mars: Design Innovation for NASA" Keynote Presentation. The role of industrial design in complex, technical and highly constrained domains. 2017 Rhode Island Space Grant Spring Symposium, Slavin Center, Providence College, Providence, Rhode Island.
April 2017

"One Giant (Virtual) Leap: How We Simulate Space" Talk by Sheyna Gifford featuring RISD MS1 Space Suit Simulator, Teague Auditorium, NASA Johnson Space Center, Houston, Texas.
February 2017

"The Red Planet: Going to Mars" exhibit, Two full-scale mockups of student work from spring semester 2016. Roger Williams Museum of Natural History and Planetarium, Providence, Rhode Island.
2016 – 2017

Lunch and Learn "Design for Extreme Environment: Using Extremes as a Methodology for Designing Better Products." Ximedica, Providence, Rhode Island.
May 2016

Design for Extreme Environments Presentation, "Why astronauts are like 90-year-olds and how designers are helping to envision and define how we will live in the habitats of the future, in space and here on the earth." The Providence Athenaeum, Providence, Rhode Island.
March 2016

From RISD to Space Presentation on the application of design principles to complex and highly constrained problems, Space Horizons 2016 Conference, "International City on The Moon." Brown University, Providence, Rhode Island.
February 2016

RISD + NASA Presentation as part of "Opportunities with the Aerospace Industry" session, World Trade Day. The Chafee Center for International Business, Bryant University, Smithfield, Rhode Island.
May 2014

Design for Extreme Environments, Presentation of the RISD/NASA collaborations. 2014 Rhode Island Space Grant Spring Symposium, Wheaton College, Norton, Massachusetts.
April 2014

Design for Extreme Environments, Presentation of recent work between RISD and NASA. 2013 Rhode Island Space Grant Spring Symposium, Brown University, Providence, Rhode Island.
April 2013

Embracing Variation: Valuing Difference in Design, Guest Lecturer, Endicott College.
Beverly, Massachusetts.
February 2012

Design for Extreme Environments, Presentation of recent work between RISD and NASA. Rhode Island Space Grant Spring Symposium, University of Rhode Island, Kingston Rhode Island.
April 2012

RISD & NASA – Current Work, Presentation of recent engagements between RISD and NASA. Rhode Island Space Grant Spring Symposium, Rhode Island School of Design, Providence, Rhode Island.
April 8 2011

The Great Moonbuggy Competition: Design as an Integral Component of STEM, a presentation on RISD's entry in to NASA's "Great Moonbuggy Competition" and the leading role design played in the team's successes against traditional STEM program entries. National Space Grant Annual Fall Meeting.
Portland, Maine.
October 2010

National Space Grant Northeast Regional Meeting, an overview of recent engagements between RISD/NASA. With a preview of RISD's results in NASA's "Great Moonbuggy Competition." Newport, Rhode Island.
September 2010

Housing Technology and Intelligent Solutions – an International Perspective II, a presentation on future elders' differing relationships with technology, and the ways new technologies may address the needs of institutions, caregivers and seniors while facilitating independence and human interaction. Presented via Skype at "Konferanse om bygg av fremtidens omsorgsboliger" ("Construction of the Future's Care Homes.")
Oslo, Norway.
June 2010

Housing Technology and Intelligent Solutions – an International Perspective, a presentation on future elders' differing relationships with technology, and the ways new technologies may address the needs of institutions, caregivers and seniors while facilitating independence and human interaction. Presented at "Byggeri af Fremtidens Plejebolig" ("Construction of the Future's Care Homes.") Copenhagen, Denmark.
November 2009

Transportation, a panel presentation for *"A Better World by Design",* a three-day conference held at Brown University to promote innovative, multidisciplinary, design-based approaches to solving critical issues such as extreme poverty, lack of basic resources, environmental degradation, and social injustice. This unique three-day event featured highly acclaimed speakers and panelists in search of creative social and environmental solutions. Brown University, Providence, Rhode Island.
October 2009

Medical Design, a panel presentation for *"A Better World by Design",* a three-day conference held at Brown University demonstrating what professionals and academics are doing to promote sustainable development and change the world for the better. Brown University, Providence, Rhode Island.
November 2008

Nursing Home of the Future, presentation of the first phase of a multi-year project at the Business Innovation Factory's BIF-4 Collaboration Innovation Summit. Providence, Rhode Island.
October 2008

Rhode Island Space Grant Symposium, overview presentation of *"Design for Extreme Environments"* studio work, RISD's NASA interns' work at Johnson Space Center and the results of Space Grant funded research projects. Roger Williams University campus, Bristol, Rhode Island.
April 2008

National Space Grant Directors' Annual Spring Meeting. Presentation of RISD work. Washington, DC.
March 2008

RISD|NASA in Ten Minutes, presentation at the Brown/RISD Fusion (Design + Engineering) event. An overview of the RISD|NASA relationship, types of coursework and research conducted by RISD students.
February 2008

eMotive: Vehicles for Emerging Economies, Rapid Fire Symposium. Energy: Creation, Conservation, Conversion. Presentation on the design of a vehicle that provides better use of resources than the dominant

forms of transportation in many developing countries. A vehicle designed to be mindful of the environment and adapted to the available infrastructure. Providence, Rhode Island.
January, 2008

Altwheels Sustainable Transportation Festival, "Creating a Sustainable Transportation Vision for the 21st Century" at the Boston Government Center and Larz Anderson Auto Museum. This festival unites a broad coalition of transportation and energy leaders at the largest alternative transportation festival on the east coast. Presented design studies and rolling research prototype for eMotive – a vehicle for Emerging Urban Economies. Boston City Hall Plaza and Brookline, Massachusetts.
September 2006

Rhode Island Space Grant Symposium, overview presentation of *"Design for Extreme Environments"* studio work, RISD's NASA interns' work at Johnson Space Center and the results of Space Grant funded research projects. Brown University Campus, Providence, Rhode Island.
April 2007

National Space Grant Directors' Annual Spring Meeting, overview of *"Design for Extreme Environments"* studio work, RISD's NASA interns' work at Johnson Space Center and the results of Space Grant funded research projects. Washington DC.
March 2007

Healthcare Innovation Project, a presentation of the project's techniques, process, final research findings and models of new system proposals. Providence, Rhode Island.
September 2006

Healthcare Innovation Project, a presentation of the project's techniques, process, final research findings and models of new system proposals. Providence, Rhode Island.
August 2006

"Behavioral Mapping and Time/Motion Studies in the Universal Kitchen Project", a presentation of the history of and techniques used in the UKP. Providence, Rhode Island.
April 2005

Altwheels Sustainable Transportation Festival, "Creating a Sustainable Transportation Vision for the 21st Century" at the Larz Anderson Auto Museum, Presented research prototype and design studies for eMotive – a vehicle for Emerging Urban Economies. Brookline, Massachusetts.
September 2005

"emotive: An Introduction to a Sustainable Urban Vehicle", an exhibition hosted by the South Providence Development Corporation at the Gordon Avenue Business Incubator. Providence, Rhode Island.
March 2005

Rhode Island Assistive Technology Conference, "Assistive Technology: Improving Lives Daily."
Sponsored by TechAccess' Warwick, Rhode Island.
November 2003

Vehicles for an Emerging Market, presentation (w/ Khipra Nichols). Providence, Rhode Island.
November 2003

Altwheels Sustainable Transportation Festival, "Creating a Sustainable Transportation Vision for the 21st Century" at the Larz Anderson Auto Museum, attendee. Brookline, Massachusetts,
July 2003

"Rhode Island School of Design Universal Kitchen Project", TechAccess' Assistive Technology Conference "Now More Than Ever." Warwick, Rhode Island.
November 2001

"Designing for the 21st Century II: An International Conference on Universal Design."
Sponsored by Adaptive Environments, Boston, Massachusetts. Presented student work from course "Home of 2020", a Maytag Corporation sponsored studio. Providence, Rhode Island.
June 2000

"The Universal Kitchen Project", The Center for Design and Business. Presentation on user research and ethnography related to the UKP. Providence, Rhode Island.
March 2000

"Home of the Future" Symposium, Chair of symposium. Rhode Island School of Design. A symposium exploring residential life in the future. Providence, Rhode Island.
January 2000

"The Idea of Community: An Interdisciplinary Journey", Workshop presentation, at RISD Center for the Advancement of Art & Design Education's Summer Teachers' Academy, Providence, Rhode Island.
July 1999

"Kitchen and Bath Industry Show," a National Kitchen and Bath Association trade show.
Presented the Universal Kitchen Project. Orlando, Florida.
April 1999

Unlimited by Design, Cooper-Hewitt National Design Museum, Smithsonian Institution. *"A celebration of design that works better for everybody – from seven-foot-tall basketball players to arthritic grandmothers to mobile toddlers. This was first major exhibition of products, services and environments designed to enable all people to live and work independently and to reach their goals without assistance. Cooper-Hewitt is the nation's only museum devoted exclusively to design."* New York, New York.
1998 – 1999

Workshop Presentation, Universal Design and the Universal Kitchen Project, Build Boston –
Boston, Massachusetts.
November 1997

SELECTED PRESS

The Gloves We'll Wear on Mars: The design challenge that'll make or break survival on the Red Planet. By Starre Vartan for Medium.com https://medium.com/s/futurehuman/the-gloves-well-wear-on-mars-b5cb0f637e44.
July 2018

What Will We Wear on Mars? By Jasmin Malik Chua for Racked.com
https://www.racked.com/2018/6/18/17466150/mars-spacesuit.
June 2018

"Skintight Space Suits for Mars: What Kind of Suits Do Astronauts Need to Survive on the Red Planet?" By Starre Vartan for *Newsweek* magazine.
July 2017

Interview and demonstration of RISD MS1 Space Suit Simulator, for *Horizon* television program, BBC Two, "Horizon tells amazing science stories, unravels mysteries and reveals worlds you've never seen before."

Filmed in Volcanoes National Park, Hawaii. BBC 2
Fall 2017

"What's Appropriate Apparel for Mars?" By Marisha Karwa, *Daily News and Analysis*, an English language daily broadsheet, India.
February 2017

"Five Questions With: Michael Lye" By Lori Stabile, *Providence Business News*, Providence, Rhode Island.
January 2017

Interview with Heather Goldstone – Living Lab, on WCAI, PBS Cape and Islands Radio, Woods Hole, Massachusetts.
December 2017

"Finding the Best Suit for a Visit to Mars" Euronews Online,
December 2016

"RISD Designs Carbon Fiber Spacesuit for Future NASA Mars Landing" by Evan Milberg, *Composites Manufacturing* magazine.
December 2016

Interview on "Dan Yorke State of Mind" with Dan Yorke, Fox Providence, WPRI 12, Providence, Rhode Island.
December 2016

"Rhode Island School of Design works with NASA on Mars suit." By Jennifer McDermott, *Associated Press News National News Wire*, carried by 275+ news outlets nationally and internationally.
December 2016

"Rhode Island School of Design students create a spacesuit for NASA astronauts heading to Mars" by Kennedy Rose, *The Daily Orange, the Independent Student Newspaper of Syracuse*, New York.
December 2016

"RISD, NASA test Mars space suit" By G. Wayne Miller, *Providence Journal*, Providence, Rhode Island.
December 2016

"RISD Students Design Space Suit for Life on Mars" By: Kainani Stevens, ABC6 News, Providence, Rhode Island.
December 2016

"RISD Industrial Design Students Given a NASA Challenge" Interview by China Blue, Providence, Rhode Island." *Entanglement Magazine*, an online publication of The Engine Institute. Posted May 2011

"Shoot for the Moon" by John Larrabee, in *Rhode Island Monthly*, "The Schools Issue."
September 2010

"Habitats for Humanity". Popular Science magazine, student work from the Fall 2007 "Design for Extreme Environments" studio featured in the *"Student Radicals"* issue of the magazine.
September 2008

"Outfitted for Space", interview with Yonina Chan for the Manila Bulletin's *Imagine* magazine. Issue 2.
Summer 2008

Interview on Extreme Environments by Associated Press for article: *"Ohio Students Dive Deep for Architecture Class"*. Cincinnati AP.
July 2008

"The Planet Will Be Fine: The Ultimate Utility Vehicle" by Lawrence Goodman and Norman Boucher, Brown Alumni Magazine.
May 2008

RISD at NASA, exhibit of *"Design for Extreme Environments"* studio work, and RISD's NASA interns' work for the Habitability Design Center. Johnson Space Center, Houston, Texas.
February 2007

eMotive at Altwheels, on-air interview by Boston's WBZ Newsradio 1030 at Altwheels Sustainable Transportation Festival. Discussed design of eMotive alternative vehicle.
September 2006

"Distant Motion; Brown-RISD pairing seeks a better cheap ride" by Cristi Laquer, Providence Phoenix.
May 2005

"Fly Me to the Moon" by Liisa Silander, RISD|views. Volume 6, Number 3.
April 2005

"Designing Technology for Domestic Spaces: A Kitchen Manifesto" by Genevieve Bell and Joseph "Jofish" Kaye. Gastronomica Volume 2 Number 2, 46-62, Discussion of UKP work.
Spring 2002

Radio Interview: Home & Garden Network Syndicated Radio program "Real Estate America."
Interviewed by Ed Curran. Satellite broadcast to over 60 Cities with population over 100,000 and more than 200 radio stations nationwide. Broadcast:
March 1999

COLLEGE AND COMMUNITY SERVICE

Judge, TechSAge Design Competition 2016 – 2018.
Competition for students from around the world to develop innovative technology-enabled design solutions for the aging population. Organized by the Rehabilitation Engineering Rehabilitation Research Center on Technologies to Support Successful Aging with Disability at Georgia Institute of Technology, and sponsored by the National Institute on Disability, Independent Living and Rehabilitation Research (NIDILRR).
April 2016, 2017, 2018

Evaluator, Fulbright Senior Award 2017/18 and Junior Advanced Research Award 2017/18,
Polish-U.S. Fulbright Commission,
October 2016

Space Horizons 2016, International City On The Moon. Advisor and Mentor for Infrastructure workshops. Stephen Robert Campus Center, Brown University, Providence, Rhode Island.
Feb 2016

Advisor, Design+Health, a student-led collaboration between the Warren Alpert Medical School of Brown University and the Rhode Island School of Design. Providence, Rhode Island.
2013 – 2017.

Guest Critic, Designing Humanity Centered Robots, Department of Computer Science, Brown University, Providence, Rhode Island.
December 2015

Guest Critic, Entrepreneurship Studio, Industrial Design Department, Rhode Island School of Design Providence, Rhode Island.
November 2015

Guest Critic, Designing Humanity Centered Robots, Department of Computer Science, Brown University, Providence, Rhode Island.
December 2014

Vartan Gregorian Elementary Science Night 2014, presentation and discussion of the RISD moonbuggy with children and parents from the school. Providence, Rhode Island.
February 2014

Moonbuggy Club, mentoring of students in a student lead club based on the NASA Moonbuggy competition (club is now called "Design to Compete.") Providence, Rhode Island.
Fall 2010 - present

Vartan Gregorian Elementary Science Night, presentation and discussion of the RISD moonbuggy with children and parents from the school. Providence, Rhode Island.
December 2011

Vartan Gregorian Elementary Science Night, presentation and discussion of the RISD moonbuggy with children and parents from the school. Providence, Rhode Island.
March 2011

Model Shop Advisory Board, committee member Rhode Island School of Design.
Providence, Rhode Island.
February 2011

Teaching and Learning Symposium, presentation of *"Design for Extreme Environments"* studio demonstrating a different pedagogical approach to studio and classroom teaching and learning. RISD, Providence, Rhode Island.
April 2008

Guest Critic, Moonbuggy Studio, Industrial Design Studio, Professor Michael Beresford. Rhode Island School of Design. Providence, Rhode Island.
Fall 2009

Silver Linings: Innovation and the Demographics of Aging, Steering Committee member, Rhode Island Convention Center, Providence, Rhode Island.
2008 – 2009

Partnered Research Working Group. Rhode Island School of Design. Providence, Rhode Island.
2008-2009

Guest Critic for 1st year Industrial Design Graduate studio critique. Beth Mosher, professor. RISD, Providence, Rhode Island.
December 2008

Executive Committee (Secretary) and Bargaining Committee, RISD Part-Time Faculty Association. Rhode Island School of Design. Providence, Rhode Island.
2008

Guest Critic/Advisor, RISD|MGH Studio, Industrial Design Department, Rhode Island School of Design. Providence, Rhode Island.
2007

Guest Critic for Industrial Design Graduate Thesis studio critique. RISD, Providence, Rhode Island.
December 2007

Guest Critic for Industrial Design Graduate Thesis studio critique. RISD, Providence, Rhode Island.
December 2006

Guest Critic for 1st year Industrial Design Graduate studio critique. Beth Mosher, professor. RISD, Providence, Rhode Island.
December 2006

Guest Critic for Soojung Ham's Industrial Design Wintersession Studio, RISD, Providence, Rhode Island.
February 2005

Guest Critic for Lorna Ross's Introduction to Industrial Design Studio, RISD, Providence, Rhode Island.
February 2005

Guest Critic for Soojung Ham's Industrial Design Sophomore Design Principles Studio, RISD, Providence, Rhode Island.
May 2005

Guest Critic Interior Architecture Studio, Professor Sean Sulley, RISD, Providence, Rhode Island.
April 2004

Trustee of the Foster Land Trust. Foster, Rhode Island.
2002 - 2004

Nominating Committee, Rhode Island School of Design, Providence, Rhode Island. Committee charged with developing a plan to meet both RISD's responsibilities to and the academic needs of the school's international student population.
2002-2003

Lecture to Sophomore Design Principles Studio, Industrial Design Department, RISD, on the Universal Kitchen Project. Providence, Rhode Island.
April 2002

Lecture to Sophomore Design Principles Studio, Industrial Design Department, RISD, on the Universal Kitchen Project. Providence, Rhode Island.
March 2001

Lecture for Computer Aided Design class, Industrial Design Department, RISD, on the Universal Kitchen Project and on user research, ethnography and design processes related to the UKP.
Providence, Rhode Island.
November 1999

Public presentation of "The Universal Kitchen." Rhode Island School of Design Museum
Providence, Rhode Island.
October 1999

"The Universal Kitchen", lecture at RISD Museum Curator's Lunch series. Providence, Rhode Island.
October 1999

Lecturer at RISD Museum September Free-For-All Saturday. "The Universal Kitchen."
Providence, Rhode Island.
September 1999