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/the **League of Imaginary Scientists**
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Lucy Hg is the interdisciplinary research coordinator for the League of Imaginary Scientists.

The League of Imaginary Scientists conducts everyday experiments through creative collaborative inquiry. Tin foil and bicycles are common components of the League's mega-media constructions of *new science*. League contributors range from mechanical engineers to synthetic biologists and include an imaginary boy from Norway.

EDUCATION /Lucy Hg

The Kitchen Summer Institute. Performance, Technology, and Text: 2002
Claremont Graduate University. M.F.A.: Multimedia: 2001
Armory Center for the Arts fellowship program: 2001
Boston College. B.A.: Philosophy, Studio Art: 1997
Universidad San Francisco de Quito: Fine Art: 1995

SELECTED SITE-SPECIFIC INSTALLATIONS and PUBLIC ART PROJECTS

- **Rome, Italy:** *Rome's Mobile Timeline*, interactive bicycle and audio tour at science and art festival *The Eternal Tour*, created with Liz Kueneker and global collaborators: July, 2008.
- **Oakland, California:** *The MilkBar*, interactive research project into the many varieties of milk, in collaboration with Merlin Coleman for The Milk Bar #20 at The Biscuit Factory: April, 2008.
- **Newcastle, Australia:** *Climate Change is Happening*, collaborative urban video installation, created and presented in conjunction with Electrofringe's *Sight/Sound/Site* workshop: March, 2006.
- **Lademoen Kunstnerverksteder in Norway:** *H2O*, video installation: February, 2005.
- **University of California, San Diego:** alteration/enhancement of an existing physical network – the outdoor lighting system – as a nervous system: February, 2004.
- **Pomona, California:** *Living Large*, collaborative guerilla video projection with Jacalyn Lopez-Garcia onto the wall of a bank in Pomona, California: January, 2004.
- **Centre Cívic in Barcelona:** public art installation in Spain: September - October, 2003.
- **Japanese American National Museum:** installation in the Hirasaki Theater Gallery in LA: 2002.
- **Los Angeles County Museum of Art (LACMA), Muse Event:** video installation: April, 2002.
- **La Panaderia Gallery in Mexico City:** video installation for *Catastrophica*, Mexico: January, 2002.

INTERACTIVITIES/ INTERMEDIA

- *Esther is Crawling*. Interactive multimedia performance in development with Emma Nordanfors, supported by the Danish Arts Council, premiering in Copenhagen: February, 2009.
- *Dream Assembly Line*. Dreams constructed live by the League in collaboration with the city of Tábor at the Cultural Exchange Station in Tábor (CESTA) in the Czech Republic: 2008.
- *Finding Aurora*. Interactivities and performative research developed with Emma Nordanfors and Carolina Bäckman; as a workshop at Tanz Fabric in Berlin in December, 2008; scheduled for the 2008 Milkbar Live International Film Festival in San Francisco and Electrofringe in Australia: 2008.
- *The Childhood Machine*. Bicycle-powered interactive installation providing Idea Therapy for an ailing Western Civilization; presented at Babel Art Space in Trondheim, Norway: August, 2007.
- *thirty-seven isolated events*. Immersive video and movement with paige starling sorvillo and imaginationandmymother; SF Asian Art Museum in 2007; 2008 SF International Arts Festival.
- *The League of Imaginary Scientists: visualizing undone history for the world*. Interactive *timeout machine* and display of the League's catalog of undone acts; *Command Z* at the Torrance Art Museum in Torrance, California: March – May, 2007.
- *Meta-physical*. Remote physical and display of verbal narcotics developed by the League; presented by NewTown at the Armory Center for the Arts in Pasadena, California: May, 2007.
- *A Live Diagram of the Human Condition*. Interactive performance in collaboration with Blindsight and George Cremaschi, *MilkBar 2007 International Live Film Festival*: 2007.
- *Blazar*. Interactive installation of the League's *dupliporter* for teleporting objects; display of the League's collection of artifacts at The Office in Huntington Beach, California: November, 2006.
- *Remote Tea Party*. Real-time data interaction at California Institute of the Arts, in collaboration with Shane Hazleton, Miwa Matreyek, Jeremy Schwartz, and Jihyun Song: September, 2006.
- *Breathing with Someone*. Interactive installation/ multimedia performance with E.K.K.O and Angela Chong at the Cultural Exchange Station in Tábor, Czech Republic: August, 2006.
- *Alpha Zuppa*. Interactive, telematic performance feast in collaboration with Melissa Ramos, Rhys Turner, and Francesca Veronesi; developed and presented through the Johannes Birringer *Physical Camera and Telematics* workshop at Performance Space in Sydney: May, 2006.
- *Reworld*. Live, interactive multimedia theater performed by Jamie Harrison and Ruth Sergel; developed and presented through the Troika Ranch workshops in New York: July, 2005.
- *Ghost in the Machine*. Live, interactive multimedia composition, in collaboration with composer Matt McBane and the Calder Quartet; Carlsbad Music Festival 2005; Grand Canyon Music Festival 2005.
- *Sitting With Stern Ibolyka*. Interactive theater in collaboration with Yvette Feuer; The Kitchen in NY (works in progress); Crazy Space in LA, 2002; Dixon Place, Sarah Lawrence College in NY, 2003.

NETWORKED PERFORMANCES

- *El Festival Internacional de la Imagen (Aether9)* in Manizales, Colombia: April, 2008.
- *2008 Mapping Festival (Aether9)* at Bâtiment d'Art Contemporain (BAC) in Geneva: April, 2008.
- *NetUser4 (Aether9)* at the International Working Camp in Bulgaria: July, 2007.
- *Remote Fairytales (Aether9)* at Maison d'Art Actuel des Chartreux (MAAC) in Brussels: June, 2007.
- *2007 Mapping Festival (Aether9)* at Bâtiment d'Art Contemporain (BAC) in Geneva: May, 2007.
- *N-Avatar*. Telematic work at the TAFE Gallery in Newcastle, Australia: September, 2006.
- *Avatar x*. Live, interactive performance located simultaneously at the University of London and at Performance Space in Sydney: September, 2006.

FILMS

Onsdag, 6:45 AM, filmed in Trondheim, Norway – 2007 (HG Solomon)

Wednesday, 2:45 pm, filmed in Sydney, AU - 2006 (HG Solomon)

SELECTED SOLO EXHIBITIONS

- *League of Imaginary Scientists*. Babel: Lademoen Kunstnerverksteders Visningsrom for Kunst in Trondheim, Norway: August – September, 2007.
- *Simple Cell > The League of Imaginary Scientists*. Live portal to a black hole and collection of dematerialized matter at The Office in Huntington Beach, California: November – December, 2006.
- *Microdot*. *Imaginary Science* video diagram at the University of Newcastle in Australia: May, 2006.
- *Una Ciencia de lo Imaginario (A Science of the Imaginary)*. Works from the *Imaginary Science* series, curated by Camilo Sanchez, exhibited through the Asociacion Colombiana para el Avance de la Ciencia in celebration of the *World Year of Physics*, at Museión in Bogotá, Colombia: 2005.
- *Beneath the North Sea*. Interactive, immersive digital video installation at Gallery Blunk in Trondheim, Norway: February, 2005.
- *Through the Loophole*. Video installation, digital constructs and digital wall drawings at the Harris Gallery at the University of La Verne in La Verne, California: April – May 28, 2004.
- *Window Currents*. Video and photography exhibition at The Armory Center for the Arts at One Colorado in Pasadena, California: March, 2002.
- *Two Humps*. Immersive video installations and photography at The Hatch Gallery in Los Angeles, California: November, 2001.
- *Content/Context*. Thesis exhibition at Claremont Graduate University: April – March, 2001.

SELECTED GROUP EXHIBITIONS

- *San Francisco International Arts Festival*. Immersive intermedia at CounterPULSE; movement by Blindsight; sound by imaginationandmymother: May, 2008.
- *The Audacity of Desperation*. *Really Real Estate™* at the Urbana Champaign Independent Media Center in May and Sea and Space in Los Angeles in Fall, 2008.
- *Four Degrees: Artistic Views on Climate Change*. Exhibition of *Really Real Estate™* at the KIPP Gallery at Indiana University of Pennsylvania, showcasing the League's campaign to vacate a warming planet and colonize space and sea: February, 2008.
- *Electrofringe*. Screening of *A Live Diagram of the Human Condition* at emerging and experimental arts festival in Newcastle, Australia: September, 2007.
- *MAS (Multiplication of Art Spaces): Domocili en Permuta*. *Imaginary Science* and siteology in Barcelona: May, 2007.
- *Command Z*. *Imaginary Science* at The Torrance Art Museum in California: March – May, 2007.
- *Medical/Arts*. *Imaginary Science* at The Armory Center for the Arts in Pasadena, California: 2007.
- *Artscene: 25, the Los Angeles Art Awards*. *Imaginary Science* screened at LACMA: April, 2007.
- *Dream Green*. *Imaginary Science* at Cisco Home in Pasadena, California: April, 2007.
- *SANCTA*. Installation at Steve Turner Contemporary Gallery: March – April, 2007.
- *Asian Cultural Center*. Screening of the *League's* work by CGU for CAA in NY: February, 2007.
- *MilkBar's 2007 International Live Film Festival* at CounterPULSE in San Francisco: February, 2007.
- *Hausguests*. The Brewery Project in Los Angeles, California: February – March, 2007.
- *Blips, Drips and Strips*. Upfront Gallery in Ventura, California: December, 2006 – January, 2007.
- *Visualizing Trans*. *Imaginary Science* at the Kupfer Center in Madison, Wisconsin: October, 2006.
- *Living Large* at Fort Collins Museum of Contemporary Art: October – November, 2006.
- *Strach Vnímání a Logika (Sense of Fear)*. Art Festival of International Interdisciplinary Collaborations at CESTA in the Czech Republic: August, 2006.
- *IMAF 2006 (In)place of fear*. Screening of *ReWorld*; curated by Nenad Bogdanovic at the Multimedia Art Studio in Serbia and Montenegro: 2006.
- *Never Leaving Aztlan*. Digital video at the Museo de las Americas in Denver: 2006.
- *Dwellings*. Digital video at the Los Angeles Municipal Art Gallery in Los Angeles: September, 2005.
- *SoundWalk 2005*. Survey of sound installations in Long Beach, California: August, 2005.
- *Impromptu: Improvisation with Digital Media*. UCR California Museum of Photography: 2003.
- *LA Freewaves 2002*, Biennial Festival of Experimental Media Arts. Digital Video at UCR: 2002.
- *VoiceLab Performance Series*. Interactive Video Performance at Dixon Center in New York: 2002.
- *Suitcase II: Travelogue*. Video Sculpture at Gallery Cradle in Yokohama, Japan: September, 2001.
- *Mission: Intergalactic*. Video installation at the Armory Center for the Arts in Pasadena: April, 2001.

CONFERENCES/ TALKS/ WORKSHOPS

- Electrosalon.** TEAS Intercontinental Media Arts and Performance Discussion presented online through the Escape Artists in Vancouver, Canada: April, 2008.
- El Festival Internacional de la Imagen:** Remote participation in *Realtime Jam Sessions Workshop* presented with *Aether9* at Manizales, Colombia and online: April, 2008.
- The Gerrit Rietveld Academie:** Remote participation in intercontinental Cym-directed workshop on real-time performance and *Aether9* in Amsterdam: March, 2008.
- California State University, Northridge:** *Intersections between Interactivity and Public Art*: 2008.
- Mutamorphosis: Challenging Arts and Sciences:** *Really Real Estate™* unveiled in Prague, Czech Republic; organized by CIANT, Leonardo, and the Hexagram Institute: 2007.
- Samand Íslenskra Myndlistarmanna (SIM: The Association of Icelandic Visual Artists):** presentation of works by The League of Imaginary Scientists: 2007.
- VJ Theory:** *Let's Chat – What is Realtime Interaction?* Intercontinental networked discussion on VJ Theory, Practice and Future Directions Locally and Globally, presented by The Escape Artists: 2007.
- University of Wisconsin, Madison:** *Imaginary Science* at *TRANS Visual Culture Conference*: 2006.
- California Institute of the Arts:** Presentation of *Imaginary Science* and interactive works: 2006.
- Electrofringe** (Newcastle, Australia): Telematic presentation on networked media and streaming technologies at *Electrofringe*: September, 2006.
- University of London:** Presentation on network (mis)communication at *(re)Actor: The First International Conference on Digital Live Art*: September, 2006.
- Cultural Exchange Station** (Tábor, Czech Republic): Artist talk: 2006.
- University of Newcastle** (Ourimbah, Australia): Presentation of videos and interactive works: 2006.
- Los Angeles Municipal Gallery:** Presentation of Dwellings, hybrid of technology and architecture: 2005.
- Museión** (Colombia): Presentation on video installations in the *Imaginary Science* series: 2005.
- Lademoen Kunstnerverksteder** (Norway): "A Science of the Mundane," a presentation on hybrid science and technology art works dealing with elements from everyday life: 2005.
- Gallery Blunk** (Norway): Artist talk: 2005.
- Museum of Making Music** (Carlsbad, California): Panelist for *Live Program Notes*, a discussion on collaboration for live multimedia: 2005.
- University of California, San Diego:** Artist/participant in *Powering Up/Powering Down*: 2004.
- University of La Verne** (California): Artist talk: 2004.
- Los Angeles Mission College:** Presentation of a series of workshops on *Interdisciplinary Collaboration* for faculty at Los Angeles Mission College: 2003.
- Los Angeles Mission College:** workshop series, *A Career in the Arts and Multimedia*: 2002.
- Claremont Graduate University** (California): Panelist for *Theory and Practice*: 2000.

RESIDENCIES and INTERNATIONAL COLLABORATIVE RESEARCH

- Artist in residence at the Cultural Exchange Station in Tabór, Czech Republic: 2008.
- Interactive researcher in interactive movement at Tanzfabrik in Berlin: 2007.
- Artist in residence at Lademoen Kunstnerverksteder in Trondheim, Norway: 2007.
- Media Artist in residence with dance collaborative *Blindsight*: 2007
- Artist in residence at California Institute of the Arts in Valencia, California: 2006.
- Artist in residence at the Cultural Exchange Station in Tabór, Czech Republic: 2006.
- Artist in residence at the Gunnery Studios in Sydney, Australia: 2006.
- Artist at Troika Ranch Interactive Isadora Workshops in New York: 2005.
- Guest Artist at Trondheim Academy of Fine Art: 2005.
- Artist in residence at Lademoen Kunstnerverksteder in Norway: 2005.
- Artist at The Kitchen Summer Institute at The Kitchen in New York: 2002.

ARCHIVES

- *Knocking on Bricks: Artists vs. Institutions* (knockingonbricks.com). The series *Transit...postcards for refugee camps* is included in an artist-initiated internet survey of art interventions.
- *Imaginary Science (Blazar, Live Diagram, Catalog)* in the DVD collection of the National Museum in Wrocław, Poland (in association with WRO 07, the 12th International Media Art Biennale).
- *IMAF* performance documentation archive at the Multimedia Art Studio in Serbia and Montenegro.
- CESTA archive in Tábor, Czech Republic: interactive artist catalog and festival performance documentation included in collection.
- California Institute of the Arts library: *Imaginary Science* and *InterActivities* in DVD collection.
- Centre for Research and Documentation (CR+D) Archive, an arm of the Daniel Langlois Foundation.
- European Media Art Festival (EMAF 2006) Film, Video, and Interactive archive in Osnabrück.
- *2005 International Videofestival Bochum* in Germany: video constructs included in DVD archive.
- Club8 *Difusió of the Performance* video archive in Spain: *Sitting with Stern Ibolyka* in the video action file.
- The Kitchen video archive in New York: documentation of video performance included in collection.

CATALOGS and BOOKS

- [Resonance.Network.Mission.007](#). Catalog and DVD of the third biennial *re.sonance.007* festival, produced by sonance artistic.network: 2008.
- [Four Degrees: Artistic Views on Climate Change](#). Catalog, produced by the KIPP Gallery at Indiana University of Pennsylvania, edited by Robert Sweeny: 2008.
- [\(Untitled\) u = _____](#). Catalog (*mathemetaphysics of representation*), produced by Fette's Gallery: 2008.
- [IMAF 2006](#). Catalog, produced by the Multimedia Art Studio in Serbia and Montenegro: 2006.
- [See You at Home](#). Catalog, produced by curator Miranda Peake: 2005.
- [Off the Map](#). Catalog, produced by curator Corina Gamma: 2005.
- [SoundWalk 2005](#). Catalog, produced by Flood: 2005.
- [The Story of Homelessness: Cardboard Lofts](#). Art book, produced by Selah Art Center: 2005.
- [Image 2000](#). Catalog, produced by Art Centre of Plano, Texas: 2000.
- [Digital Anticipations](#). Catalog with essay by Kurt Foreman, produced by Boccalero Gallery: 2000.
- [A Sense of Place](#). Catalog, produced by Associated Artists of Winston-Salem, Inc.: 1999.
- [\(re\)Actor](#). Program notes and abstracts, produced by the University of London (Queen Mary): 2006.
- [Powering Up/ Powering Down](#). Publication of abstracts, produced by the University of California, San Diego and the Neuroscience Institute: 2004.

SELECTED REVIEWS, MEDIA and PUBLICATIONS

- [Juxtapoz Art & Culture Magazine](#) (online). "Knocking on Bricks, Artists vs Institutions," May 1, 2008.
- [Dariola.net](#) (Spanish-language Internet forum on art and technology). "AEther9 – relatos remotos en tiempo real," by Lourdes: February 17, 2008.
- [The Penn](#). "Kipp Gallery Displays Global Warming..." by Michael Waters: February 12, 2008.
- [Under Dusken](#) (Trondheim, Norway). "Med makrell i hovedrollen," by Per Magnus Nordrum Riseng: August 28 – September 10, 2007.
- [Udresfeabifen](#) (Trondheim Daily Newspaper). "Lekestue på babel: Med utstillingen 'The Childhood Machine'..." by Mari Rokkan: August 18, 2007.
- [Trøndelag Kulturnett](#). "Utstillingen The Childhood Machine på babel," by Siri Thue Unsgård: August 14, 2007.
- [El Mundo](#) (Catalunya, Spain). "Los Okupas del Arte," July 20, 2007.
- [LA Weekly](#). "SANCTA at Steve Turner Contemporary," by Peter Frank: April 24, 2007.
- [Los Angeles Times](#). "Group Show Wants to Take You Away," by Leah Ollman: April 6, 2007.
- [Rave! Daily Breeze/ Arts and Entertainment](#). "Pixel Perfect: Interactive Digital Photography Exhibit at Torrance Museum puts Images in Motion," by Jim Farmer: Friday, March 30, 2007.
- [QC Weekly](#). "Devo Mixed With Seventh Grade," by Theo Douglas: November 22, 2006.
- [Obscene Jester: the performance art blog](#). "The Game's the Thing:" October 29, 2006.
- [The Badger Herald](#) (Madison, WI). "Exhibit Transcends Visual Boundaries," by Luke Magalsky: October 19, 2006.
- [Artmagazin](#) (Internet Magazine, from Novi Sad, Serbia). "Međunarodni Festival Multimedijalne Umetnosti (Eighth International Multimedia Art Festival)," texts by Juniper Perlis and Nenad Bogdanovic: August, 2006.
- [Denver Westword](#). "Turf Wars: Old-school..." by Michael Paglia: March 2, 2006.
- [Rocky Mountain News](#) (Denver). "'Never Leaving'..." by Mary Voelz Chandler: February 17, 2006.
- [KOCT TV](#). Screening of documentation of multimedia performance *Ghost in the Machine*: 2005.
- [Tunisia TV 5](#) and [Internet Fiesta](#). Interview about "*A Science of the Imaginary*" broadcast globally over the internet and on television in Colombia: October 11, 2005.
- [Colorin Color Radio](#), Colombia FM radio station. Interview on exhibition in connection with Colombia's celebration of the World Year of Physics: October 12, 2005.
- [The Grunion Gazette](#) (Long Beach, CA). "Soundwalk Signals City's Artistic Future," by James Scarborough: September 1, 2005.
- [The Orange County Weekly](#), Art Section. "Be Hear Now: 'SoundWalk Recognizes Sound as 'Something,'" by Chris Ziegler: Vol. 10, No. 50 August 19-25, 2005.
- [Los Angeles Times](#). "An All-Around Soundfest," by Lynne Heffley: August 19, 2005.
- [The San Diego Union-Tribune](#), North County Night and Day Section. "'Ghost' Riders, and More," by Marcia Manna: April 28, 2005.
- [The San Diego Union-Tribune](#). "Carlsbad's Music Festival Spotlights the Nontraditional," by Mary Curran-Downey: April 24, 2005.
- [Sundial](#). "Video Festival at CSUN Challenges Senses of Viewers," by Andrea Wenke: Thursday February 19, 2004.
- [The San Diego Union-Tribune](#). "What is the Relationship Between Technology, Gender, Race...?" by George Varga: January 11, 2004.
- [Le Cool](#) (Spain). "Arquitectura Inversa," by Helena Febrés: October 3, 2003.
- [El Universal \(Mexico\)](#). "Exposiciones: El Arte Viaja en Maleta," by P. Campos: January 11, 2002.
- [Mexican News Television Broadcast](#). Artwork featured: January 10, 2002.
- [El Universal \(Mexico\)](#). "Exponen el Arte en Maleta," by Arturo Martinez: January 10, 2002.
- [The Dallas Morning News](#). "Image 2000," by Mike Daniel: December 8, 2000.
- [The Dallas Observer](#). "Nothin' but Net," by Annabelle Massey Helber: November 23, 2000.

FELLOWSHIPS, INSTITUTIONAL SUPPORT, and HONORS

- Stipend for further development of interdisciplinary ecological art from iLAND: 2008.
- Proposal stipend for development of public art concept from the University of La Verne: 2008.
- Danish Arts Council grants for presentation (*Esther is Climbing*): 2008.
- Zellerbach Family Foundation (*37 isolated events*): 2008.
- Theater Bay Area CASH Award (*37 isolated events*): 2008.
- *Meet the Composer* commission for new music and multimedia developed at Milkbar: 2008.
- Izzie Award (Isadora Duncan) nomination for Visual Design of *37 Isolated Events*: 2008.
- *sitemapping.ch* award to *Aether9* for *site-mapping* and new development in media art, from the Swiss Federal Office of Culture: 2007 – 2008.
- Danish Arts Council grants for research (*Finding Aurora*): 2007.
- Production package from NRK Television in Norway: 2007,
- Clas Ohlson product grants for interactive installation and film work in Norway: 2007.
- Royal Norwegian Consulate General grant for creative development and artistic exchange: 2007.
- Project-based support from the Trondheim Electronic Arts Centre (*The Childhood Machine*): 2007.
- Project-based support from Arts NSW, Artspace/Gunnery Studios, and AMR Interactive (*Wednesday 2:45 pm*): 2006.
- Artist Resource for Completion grants from the Durfee Foundation: 2004, 2005.
- Animation included in *MoveOn* DVD of political films: 2004.
- Education Grant to fund faculty collaboration workshops at Los Angeles Mission College: 2003.
- Education Grant to fund seminars on practical concerns of Art students: 2002.
- Technology Grant from LA Mission College for a interactivity at Dixon Place in New York: 2002.
- Travel Grant from Claremont Graduate University for research in Spain: 2001.
- Armory Art Fellowship from The Armory Center for the Arts in Pasadena, California: 2000 – 2001.
- Laura Fernandez Award in Art from Claremont Graduate University: 2001.

CURATORIAL PROJECTS

- *Eco-Action/Collective Organizing*. Curator of exhibition of women art activists/technologists at the University of La Verne, in conjunction with the university's multicultural symposium: Spring, 2007.
- *M.A.S.* (Multimedia Art Show). Curator of student show at Los Angeles Mission College: 2004.
- *Transmission*. Curator of mobile video installation at The Latch Gallery in LA: Spring, 2002.
- *Square Ideas*. Exhibition at the Humanities Center in Claremont, California: 2000.
- *Clarion Call*. Co-curator of exhibition at the Watts Labor Community Action Committee in LA: 1999.

AFFILIATIONS | the League of Imaginary Scientists

- *COPUS*. Participant and affiliate of *COPUS*, The Coalition on the Public Understanding of Science.
- *MARCEL*. Member of *MARCEL*, Multimedia Art Research Centres and Electronic Laboratories.
- *OWW*. Laboratory at openwetware.org, the OpenWetWare network for sharing science.
- *MEWS-PARI*. Member of *MEWS-PARI*, Tim Devon's Meaningful Encounters with Strangers Preservation and Reenactment Initiative.
- *RHIZOME at the new museum*. Contributor to the *RHIZOME* Artbase.
- *ACAC*. Creative contributor to *ACAC*, *Asociacion Colombiana para el Avance de la Ciencia* (Colombian Association for the Advancement of Science).
- *ASCI*. Art & Science laboratory member of *ASCI*, Art & Science Collaborations, Inc.
- *Instructables*. Member of *instructables.com*, *EYEBEAM* laboratory and online forum Show & Tell.