

RONALD RAEI, Assistant Professor
Departments of Architecture & Art Practice
University of California Berkeley
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Education

Columbia University, New York, NY
Master of Architecture, 1998
Recipient of the William F. Kinne Memorial Fellowship

University of Colorado, Boulder, CO
Bachelor of Environmental Design, 1994
H.A. Arnold Scholarship Recipient

Professional

Rael San Fratello Architects, Oakland, CA
Principal Partner with Virginia San Fratello, 2002—Present

Office for Metropolitan Architecture, Rotterdam, NL
Designer, 2001

Jim Logan Architects, Project Architect, Boulder, CO
Designer, 1998-1999

Studio 66, Furniture Designer, Boulder, CO
Designer/Fabricator, 1993-1994

Prague Department of City Planning, Prague, Czech Republic,
Student Designer 1990

Teaching

University of California at Berkeley, Berkeley, CA
Assistant Professor of Architecture, 2008—Present
Assistant Professor of Art Practice, 2012—Present
Coordinator of 100a foundation studio
Joint Appointment (0% Below the Line) in the Department of Art Practice
Undergraduate and Graduate Instruction

University of Arizona, Tucson, AZ
Assistant Professor of Architecture, 2008
Coordinator of the undergraduate foundation studios.

Clemson University, Clemson, South Carolina
Assistant Professor of Architecture, 2002-2007
Director and Professor in Residence at the Charles E. Daniel Center for Building Research and Urban Studies, Genoa, Italy from 2006-2007
Coordinator of the undergraduate Digital Foundation Studios.

Southern California Institute of Architecture, Los Angeles, CA
Visiting Design Faculty, 2002-2005
Instructed the historic Making + Meaning summer design program

University of Colorado, Denver & Boulder, Colorado
Visiting Senior Instructor, 2000-2001
Instructor, 1999-2000

Columbia University, New York, New York
Teaching Assistant, 1997
Introduction to Drawing, taught by professor Paola Iacucci

* Events since last merit review

** Events since appointment

Courses Instructed at the University of California Berkeley

F2011 ARCH84	Sophomore Seminar: 3D Modeling and Animation
F2011 ARCH100A	Fundamentals of Architectural Design, Coordinator
F2011 ARCH203A	Final Research Seminar/Thesis Preparation
F2011 ARCH229	Individual Study: Design for Plasma Cutting (student Juliana Raymondi)
S2010 ARCH100A	Fundamentals of Architectural Design, Coordinator
S2010 ARCH299	Individual Study (student Marisha Farnsworth)
F2010 ARCH200A	Fundamentals of Architectural Design w/ Richard Fernau and Mark Anderson
F2010 ARCH 229	Digital Design Theory and Methods: Graduate Level Digital Fabrication Course
S2010 ARCH 205	Independent Thesis Option: Student Taylor Medlin
F2009 ARCH 101	Case Studies in Architectural Design: Advanced Undergraduate Studio
F2009 ARCH 229	Digital Design Theory and Methods: Graduate Level Digital Fabrication Course
F2009 ARCH 298	Special Group Study: Thesis development
S2009 ARCH 198	Directed Group Study: CNC Fabrication
S2009 ARCH 200B	Fundamentals of Architectural Design w/Nicholas de Monchaux
S2009 ARCH 209X	Special Topics Architectural Design: Digital Fabrication Seminar
F2008 ARCH 201	Case Studies in Architectural Design: Borderwall as Architecture
F2008 ARCH 199	Supervised Independent Study: Undergraduate Independent Study

Student Supervision at the University of California Berkeley

*	Allen, Bryan	Master of Architecture Thesis, Committee Chair (Branner), 2012
*	Cole, Oriana	Master of Architecture Thesis, Committee Chair, 2012
*	Farnsworth, Marisha	Master of Architecture Thesis, Committee Chair, 2012
*	Giannini, Anthony	Master of Architecture Thesis, Committee Chair, 2012
*	Kelly, Mark	Master of Architecture Thesis, Committee Chair, 2012
*	Nowell, Joe	Master of Architecture Thesis, Committee Chair, 2012
*	Zunzunegui, Pablo	Master of Architecture Thesis, Committee Chair, 2012
*	Moon, Timothy	Master of Architecture Thesis, Committee Chair, 2011
*	Privot, Emily	Master of Architecture Thesis, Committee Member, 2011
*	Swaine, Michael	Master of Arts Thesis, Committee Member, 2011
**	Licht, Emily	Master of Architecture Thesis, Committee Member, 2010
**	Medlin, Taylor	Master of Architecture Thesis, Committee Chair (Branner), 2010
**	Noakes, Matthew	Master of Architecture Thesis, Committee Member, 2010
**	Smith, Sarah	Master of Architecture Thesis, Committee Member, 2010
**	Sowers, Nicolas	Master of Architecture Thesis, Committee Member (Branner), 2010
**	Bitterman, Matthew	Master of Architecture Thesis, Committee Chair, 2009
**	Dorce, Reginald	Master of Architecture Thesis, Committee Chair, 2009
**	Duffy, Yes	Master of Architecture Thesis, Committee Member, 2009
**	Lingamfelter, Peter	Master of Architecture Thesis, Committee Chair, 2009
**	Modabber, Tanaz	Master of Architecture Thesis, Committee Member, 2009
**	Pang, Joe	Master of Architecture Thesis, Committee Member, 2009
**	Reichert, Molly	Master of Architecture Thesis, Committee Chair, 2009

Publications

Publications by Ronald Rael

Books

- * Rael, Ronald. *Earth Architecture*. New York: Princeton Architectural Press, 2010. (2nd printing)
- ** Rael, Ronald. *Earth Architecture*. New York: Princeton Architectural Press, 2008.

* *Events since last merit review*

** *Events since appointment*

Book Reviews of "Earth Architecture"

- * Paul Kotze. "Earth Architecture." Rev. of Earth Architecture by Ronald Rael. *Journal of the South African Institute of Architects*. May/June 2011. p. 77.
- * Hadden, Rob. "Reviews...Earth Architecture." Rev. of Earth Architecture by Ronald Rael. *The Owner Builder*. October/November 2009. p. 68.
- * Horton, T.A. "Looking at the Soul of Sustainability." Rev. of Earth Architecture. *Architectural Record*. October 2009. p. 55.
- * Manaugh, Geoff. "The Bay Line." *BLDGBLOG.com*. <http://bldgblog.blogspot.com/2009/09/bay-line.html>. September 14, 2009.
- * Gissen, David. "Red Earth." *HTC Experiments: Experimental practices in architectural history, theory, and criticism — organized by David Gissen*. <http://htcexperiments.org/2009/06/05/red-earth/>. July 5, 2009.
- * Mays, John Bently. "Down to Earth Architecture." Rev. of Earth Architecture. *The Globe and Mail*. May 20, 2009.
- * Tayona, Nova. "Book Reviews." Rev. of Earth Architecture. *Azure Magazine*. May 2009. p. 108.
- * Donovan, Diane C. "California Book Watch." Rev. of Earth Architecture. *Midwest Book Review*, Volume 4, no. 4. April 2009.
- ** Del Fuoco, Valentina. "Earth Architecture by Ronald Rael." Rev. of Earth Architecture. *Building Design*. March 2009.
- ** Menking, William. "Mud Slinging." Rev. of Earth Architecture. *Architects Newspaper*. January 28, 2009. p. 19.
- ** Hill, John. "a favorite." Rev. of Earth Architecture. *A Weekly Dose of Architecture*. <http://www.archidose.org/books/eartharch.html>. January 2009.
- ** GreenMuse.com. "Review of Earth Architecture." Rev. of Earth Architecture. <http://www.greenmuze.com/reviews/books/664-earth-architecture.html>. Thursday December, 18, 2008.
- ** "Selections." Rev. of Earth Architecture. *The Age*. November 30, 2008. p. 32.

Refereed Publications

- * Rael, Ronald. "Boundary Line Infrastructure" in *Thresholds: Socio—I*, edited by Jonathan Crisman, 76-82. Boston: MIT Press, 2012.
- * Rael, Ronald. "Designing Local" in *Moderators of Change: Architecture that Helps* edited by Andres Lepik, 28-39. Ostfildern: Hatje Cantz. 2011.
- * Rael, Ronald. "Border wall as architecture." *Environment and Planning D: Society and Space* 29, no. 3 (2011) : 409 – 420
- * Rael, Ronald and San Fratello, Virginia. "Material Design and Analysis for 3D-Printed Fiber-Reinforced Cement Polymer Building Components." *Ambience 11: International Conference of Technology, Art and Design at The University of Borås, Sweden*. Ed. Nancy de Freitas. November 29, 2011. Print.
- * Rael, Ronald and San Fratello, Virginia. "Developing Concrete Polymer Building Components for 3D Printing", *Association for Computer Aided Design in Architecture 2011*. Banff, Canada. October 16, 2011. Print.
- ** Rael, Ronald. "Earth Architecture—The Book." *Lehm 2008 International Conference of Earthen Architecture*. Koblenz, Germany. 2008. Print.

* Events since last merit review

** Events since appointment

Rael, Ronald. "Arquitectura Híbrida: Nueve Obras Nuevas en Arquitectura de Tierra." El Vº SIACOT Seminario Iberoamericano de Construcción con Tierra and el Iº SAACT Seminario Argentino de Arquitectura y Construcción con Tierra. June 14, 2006. Print.

Rael, Ronald. "South by Southwest: A Counter History of Modernism in the United States." EarthBuild 2005 International Conference, Sydney Australia. 2005. Print.

Rael, Ronald. "South by Southwest." Lehm2004 International Conference on Earthen Architecture. Leipzig, Germany. 2004. Print.

del Real, Patricio; Rael, Ronald. "Hay House." In *The Home House Project: The Future of Affordable Housing*, edited by David Brown. Boston: MIT Press, 2004.

Rael, Ronald. "Earth Scraper". In *Città: Less Aesthetics, More Ethics: Publication for the 7th International Architecture Exhibition, La Biennale de Venezia*, edited by Massimiliano Fuksas. Venice: Marcilio. 2002.

Non-Refereed Publications

- * Rael, Ronald. Review of *The Masons of Djenné*, by Trevor H.J. Marchand. *Museum Anthropology Review*, Vol 5, no. 1-2. Indiana Press 2011. May, 2011.
- Rael, Ronald. "House of Prada, House of Mud", in *Elmgreen and Dragset: PRADA MARFA*, edited by Michael Elmgreen and Ingar Dragset. Berlin: Buchhandlung Walther König. May 2007.
- Rael, Ronald, "Sites of Memory/Museum of Memory: Digital Foundations at Clemson University." In *Form-Z Joint Study Program Report* edited by Murali Paranandi. (2005) : 132-135.
- Rael, Ronald. "Cities of Earth." In *Travel Reports*. Architectural League of New York, 2007.
- Rael, Ronald, ed. *SOUTH: Volume 1*. Clemson, SC: Clemson School of Architecture, 2006.

Publications about Ronald Rael and Rael San Fratello Architects

- * Colopy, Andrew. "WPA 2.0: Borderwall as Infrastructure," *PRAXIS: Journal of Writing + Building*, Volume 1, Issue 13. 2012 .
- * Ehrelemark, Björn, "Byggstenar röd tråd i textilforskning." *Arkitekten*. January, 2012. p 38.
- * Klanten, Robert, and Lukas Feireiss. "Migrating Floating Gardens." In *Utopia Forever: Visions of Architecture and Urbanism*, ed. Lukas Feireiss (Berlin: Gestalten, 2011) , p. 235-236.
- * Lee, Lydia, "Ten to Watch." *California Home and Design Magazine*. Sep/Oct 2011. pp. 77, 88.
- * Tylevich, Katya, "Wait a Minute." *Mark Magazine*. Oct/Nov 2011. pp. 89-99.
- * Holiday, Thomas. "Borderwall as Architecture," *Insidious Urbanism, Tarp Architecture Manual: The Journal of Pratt Institute School of Architecture and Design*, Spring 2011
- * Wooler, Kirk. "PRAXIS." In *20/20: Editorial Takes on Architecture*. London: AA Publications. pp 119-127. 2011.
- * Bernstein, Fred, "A Harvest of Temporary Shelters," *New York Times* (New York, NY), September 16, 2010.
- * Rael, Ronald. "Sukkah of the Signs." *SOILED. No. 1: Groundscapers, no. 1*. (2010) : pp. 20-24.

* *Events since last merit review*

** *Events since appointment*

- * Rael, Ronald. "Airscape Architecture: Migrating Floating Gardens." in *Kerbed 18PlastiCity FantastiCity*. pp.85-87, 2010
 - * Pazornik, Amanda, "A booth with a view." *J! Weekly*, September 24, 2010. pp Cover, 20-21.
 - * Davidson, Justin, "Sukkah vs. Sukkah." *New York Magazine*. September 20, 2010. pp.74-77.
 - * Rajagopal, Avinash, "A Sunday in Sukkah City", *Metropolis Magazine*, September 20, 2010
 - * Jividen, Michael, "Homeless House." *Soiled*, Issue 1. 2010. pp. 20-24.
 - ** Klooster, Thorsten, ed., "The Hydrowall" In *Smart Surfaces – and their Application in Architecture and Design*, (Cottbus: Birkhauser, 2009) , p. 48
 - ** "Light Voids." *C3*. September, 2009. pp. 9-11.
 - ** "Pier Museum Miami 2009," *Wettbewerbe Aktuell Technical Journal*, 2009. p. 36.
 - ** Seale, Kathy. "Rammed-earth houses in Mount Olive still functional years after they were built as a New Deal project," *Birmingham News* (Birmingham, AL), June 28, 2009. p. 28.
 - ** Fisher, Adam. "A Dirty Job." *Dwell*, May 2009, page 66.
- Agnese, Braulio. "Screen Capture: Clemson's Architecture Studio 451 pursues an open-source model of education." *Architect*, January 2007, page 34.
- Drenttel, William. "Issue 1, Volume 1." *Below the Fold Journal*, Winterhouse Publishers, Spring 2006
- Smith, Erin, "Two architects unveil plans for new Antonito rec center." *Pueblo Chieftain* (Pueblo, CO), July 15, 2006
- Portwood, Jerry. "Observations on Prada Mud", *Log* (Cynthia Davidson Editor). Winter/Spring 2006.
- Portwood, Jerry, "Art Outpost." *The Architects Newspaper*, December, 2005.
- Renteria, Ramón. "Storefront in the Desert: Prada Marfa sculpture intrigues, baffles." *El Paso Times* (El Paso, TX), October 18, 2005.
- Pearson, Rachel. "Art in a small West Texas town: Artists, enthusiasts gather to see art 'linked' with the land." *The Daily Texan* (Austin, TX), October 11, 2005.
- Mendelsohn, Adam, "Stealing the Show", *Artforum*, October 2005.
- Haden-Guest, Anthony "The language of branding." *Financial Times*, October 1, 2005
- Wilson, Eric, "Front Row: Little Prada in the Desert," *New York Times* (New York, NY), September 29, 2005.
- "Worship Gets Contemporary." *Anderson Independent-Mail* (Anderson, SC), Sept. 18, 2005.
- Ledbetter, Julie. "Architecture students design park." *The Tiger News*. Friday, April 22, 2005
- Burns, Kelly. In *I NY: New York Street Art*. New York: 4 a.m. Press. 2003.
- Ockman, Joan. "Paper Architecture," *Architecture*, January 2000, pp. 59,149-151.
- Guinca, Mary. "Distinctively Affordable: Artists apply creativity to cookie-cutter houses." *Winston-Salem Journal*, May 4, 2003.
- Novetsky, Manuel, Rev. of Praxis. *Arquine* no. 16 (Summer 2001) p.87
- "Functional Fun." *Daily Camera*, Tuesday, February 8, 2000, p. 1A & p. 8B

Schneider, Gretchen. Rev. of Praxis, "Praxis Makes Perfect," *Architecture Boston*, Winter 2000: p 57.

Pasnik, Mark. "Who's Afraid of Architecture Theory?." Rev. of Praxis in *Cornell Journal of Architecture* 8, September 1999 : p. 113-115.

Marble, Scott.. *Abstract. Journal of Graduate School of Architecture, Planning and Preservation of Columbia University*. 1998.

Leccese, Michael. "Rejuvenating Prague," *Landscape Architecture Magazine*, February 1995. p. 13.

Citations

Niroumand, Hamed and Jamil, Maslina. "Hill Development by Earth Architecture." *International Journal of the Physical Sciences* 6, no.6 (March, 2011) : 1249-1256.

Ulloa, Mirentxu and Lau, Bernson. "The application of 'techno-mud' in residential building in Chile—A critical review." *27th Conference on Passive and Low Energy Architecture*, Louvain-la-Neuve, Belgium, 13-15 July 2011.

Galán-Marín, C., Rivera-Gómez, C. and Petric, J. "Clay-based composite stabilized with natural polymer and fibre." *Construction and Building Materials*, Volume 24, Issue 8 (August 2010) : 1462-1468

Galán-Marín, C., Rivera-Gómez, C. and Petric, J. "Effect of Animal Fibres Reinforcement on Stabilized Earth Mechanical Properties." *Journal of Biobased Materials and Bioenergy*, Volume 4, Number 2, (June 2010) : 121-128(8)

Lepik, Andres and Bergdoll, Barry, editors. *Small scale, big change: new architectures of social engagement*, (New York: The Museum of Modern Art), 2010

Gissen, David. *Subnature: Architecture's Other Environments*, (New York: Princeton Architectural Press), 2009.

Ham, Anthony. *West Africa*. Footscray, Vic: Lonely Planet. 2009

Patents

Rael, Ronald. 3D Printer Cement Compositions, September 20, 2011, Ser. No. 61/536,766, BK-2011-168-1

Grants, Gifts & Fellowships

- * **P.I., \$28,700. Luxology Industry Sponsored Research Collaboration**
Gift of 215 Seats of modo 3D software. 2011
- * **P.I., \$36,577. Developing 3DP for the Rapid Manufacture of Ceramic Building Components**
Hellman Family Fund Award, UC Berkeley. Awarded to "promising assistant professors who show capacity for great distinction in their research". 2010
- * **P.I., \$10,000. Biennial of the Americas Exhibition Grant**
For the development of Earthscrapers, an exhibition of an installation that re-imagines additive manufacturing in the context of architecture. Award amount:, 2010
- * **P.I., \$5,152 for Additive Manufacturing for the Development of Architectural Components.**
Committee on Research Special Summer Research Grant. 2010
- * **P.I., \$9,000 for Borderwall as Architecture**
Committee on Research Faculty Grant. 2009
- ** **P.I., \$6,000 for Rapid Manufacturing for the Production of Full-Scale Building Components**
Junior Faculty Research Grant. 2008
- * *Events since last merit review*
- ** *Events since appointment*

P.I., \$5,100 for Photography for the book Earth Architecture

Clemson Advancement Foundation Grant. 2007

P.I., \$60,000 for New Equipment in the School of Architecture Digital Laboratory

College of Architecture, Arts and Humanities Technology Grant. 2006

P.I., \$2,000 Travel Grant to Mali, Africa

Clemson Advancement Foundation for Design and Building Travel Grant. 2005

P.I., \$7,500 for the Production of SOUTH: Volume 1

Clemson Advancement Foundation for Design and Building Grant. 2005

P.I., \$10,500 for Production and Printing for SOUTH: Volume 1

McMahan Foundation for Excellence Grant. 2005

P.I., \$5,000 for Development of Summer Design/Build Program in Marfa, TX

McMahan Foundation for Excellence Grant. 2004

P.I., \$10,000 for Constructed Topographies: Earth Architecture in the Landscape of Modernity

Graham Foundation for Advanced Studies in the Fine Arts. 2000

P.I., \$5,000 for Wadi Hadramut: Cities of Earth

Deborah J. Norden Competition of the Architectural League of New York. 2000

Co-P.I. w/David Green, \$2,500 for The Legacy of Cointeraux

William Kinne Memorial Travel Fellowship, Columbia University. 1998

P.I., \$2,000 for travel to study the architecture of Sub-Saharan Africa

Columbia University GSAPP Travel Grant 1997

P.I., \$2,000 for travel to study in Turgutries, Turkey.

Columbia University GSAPP Travel Grant. 1995

Juried Competitions

- * **Winner, Van Alen Institute Life at the Speed of Rail International Design Competition**
Rael San Fratello Architects selected as 1 of 10 winners by a distinguished panel of jurors that included Thom Mayne, Keller Easterling, Sarah Whiting, Gary Hustwit, Carol Coletta, Christopher Hawthorne, Michael Lejeune and Petra Todorovich. 2011
- * **Winner, Sukkah City International Design Competition**
Rael San Fratello Architects selected as 1 of 12 winners from over 600 entries in by a distinguished panel of jurors that included Michael Arad, Ron Arad, Rick Bell, Allan Chochinov, Matias Corea, Paul Goldberger, Steven Heller, Natalie Jeremijenko, Mara Kalman, Geoff Manaugh, Thom Mayne, Thomas de Monchaux, Ada Tolla and Adam Yarinsky. 2010
- * **Honorable Mention, Pamphlet Architecture 32: Resilience Competition**
Founded in 1977 as an alternative to mainstream architectural publishing, Pamphlet Architecture encourages architects and writers to put forth their ideas, theories and designs in modest, affordable booklets. Its success is legendary: Pamphlet Architecture helped launch the careers architects from Steven Holl and Lebbeus Woods to Zaha Hadid, and has had influence far exceeding the ad-hoc nature of these humble books. 2010
- * **Finalist, WPA 2.0 International Architecture Competition**
Rael San Fratello Architects selected as 1 of 6 finalists out of 200 entries from around the world by a distinguished jury that included Thom Main, Stan Allen, Elizabeth Diller, Cecil Balmond, Walter Hood and Marilyn Jordan Taylor. 2009
- ** **2nd Place, Architectum Miami Pier-Museum International Academic Competition**
Rael San Fratello awarded 2nd place, out of 418 entries, in the Architectum Pier Museum International Academic Competition hosted by the University of Miami. Jury: Jean-Francois Lejeune, Rene Gonzalez, Chad Oppenheim, Nataniel Belcher, Rocco Ceo and Zeuler Lima. 2009

* *Events since last merit review*

** *Events since appointment*

- ** Winner, Descours American Institute of Architecture Design Competition**
 Rael San Fratello Architects selected by Descours, who invites internationally renowned architects and artists to create architecture installations within 'hidden' locations in the heart of New Orleans. 2009
- ** Finalist, 2009 Rafael Viñoly Grants for Research in Architecture**
 Launched in 2005, the Architectural Training and Research Programs are a response to the need for the practice of architecture to return more of what is learned through designing and constructing buildings to the field itself. 2009

Winner, SECCA Home/House International Competition
 Selected as 1 of 12 winners from 440 entries by a distinguished jury that included Steve Badanes, David Brown, Ben Nicholson and Michael Sorkin. 2003

Winner, Deborah J. Norden Competition of the Architectural League of New York
 The Deborah J. Norden Fund, established in 1995 in memory of architect and arts administrator Deborah Norden, awards travel/study grants to students and recent graduates in the fields of architecture, architectural history, and urban studies. 2000

Honors

- * Ten to Watch: Rael San Fratello Architects, California Home + Design Magazine**
 Nominated as 1 of Ten Architects on the Rise in 2011 by a distinguished panel of jurors that included Neil Denari, Hsinming Fung, John Peterson, Tom Buresh, Luke Ogrydziak, Barbara Beslor, Steven Ehrlich, Margaret Griffin, Carrie Byles and David Meckel. 2011
- * Architecture Curator, 2010 Biennial of the Americas**
 Selected by the organizing committee of the 2010 Biennial of the Americas and Chief Curator Paola Santoscioy. 2010
- ** MoPo 2009: Worlds Most Popular Weblogs on Architecture Ranking**
 EarthArchitecture.org is ranked among the top 20 most important blogs on architecture worldwide. 2009
- ** Nominee, P.S. 1 Young Architects Program**
 Nominees submit portfolios of their work for review by a panel comprised of Museum of Modern Art Director Glenn Lowry, MoMA PS1 Director Klaus Biesenbach, and a host of experts in the art and architecture community. 2009

Architectural Association Visiting Teachers Programme, The AA, London
 The AA's innovative model as a place of education and debate attracts the interest of academic visitors from all over the world. Through this special program, the AA invites teachers of architecture an opportunity to engage with the teaching and research of the school, and to develop a debate about the aims and strategies of teaching architecture. 2007

I.D. Magazine Annual Design Review for Graphic Design/ Communication Award
 Awarded for the design of the cover of PRAXIS 5: Architecture after Capitalism. Since 1954, this prestigious annual showcase has chronicled the evolution of design and highlighted its impact on our material and visual culture. 2004

Certificate of Excellence, Clemson University Focus on Research
 Awarded to faculty whose research demonstrates excellence. 2004

Award for Faculty Excellence, Clemson University Board of Trustees
 Awarded to faculty whose research, teaching and service demonstrate excellence. 2004

H.A. Arnold Scholarship
 Undergraduate scholarship for academic achievement. 1990-1994

Public Lectures given by Ronald Rael

Refereed presentations

- * **“Material Design and Analysis for 3D-Printed Fiber-Reinforced Cement Polymer Building Components”**
Presented at the International Conference of Technology, Art and Design at The University of Borås, Sweden. November 29, 2011
- * **“Borderwall as Architecture: A Proactive Manifesto for the U.S. / Mexico Barrier”**
Presented at the University of Buffalo’s Transamerica Research Workshop, Buffalo, NY. November 4, 2011
- * **“Developing Concrete Polymer Building Components for 3D Printing”**
Presented at the 2011 Association for Computer Aided Design in Architecture Conference, Banf, Canada. October 16, 2011
- * **“Border Wall as Architecture”**
Presented at the International conference, Fences, Walls and Borders: State of Insecurity?, organized by the Raoul Dandurand Chair at the University of Quebec at Montreal in association with the Association for Borderlands Studies. Quebec, Montreal. May 18, 2011.
- ** **“Borderwall as Infrastructure”**
Presented at the National Building Museum, Washington D.C. as part of the international competition and symposium WPA 2.0. November 16, 2009
- “Arquitectura Híbrida: Nueve Obras Nuevas en Arquitectura de Tierra”**
Presented at El Vº SIACOT Seminario IberoAmericano de Construcción con Tierra and el Iº SAACT Seminario Argentino de Arquitectura y Construcción con Tierra Conference. June 14, 2006
- “Graphic Design as a Vehicle for Architectural Production”**
Presented at the IX Iberomarian Congress of Digital Graphics, November 21, 2005
- “South by Southwest: A Counter History of Modernism in the United States”**
Presented at EarthBuild 2005 Conference, Sydney Australia. January 2005
- “A Counter History of Modernism in the United States Southwest”**
Presented at the Earth in Building Conservation Conference. Leipzig, Germany. October 2004

Invited presentations

- * **“The Work of Rael San Fratello Architects”**
Presented at the 2011 Monterey Design Conference as part of the emerging talent speakers series. Monterey, CA. October 9, 2011.
- * **“Architecture as Activism”**
Presented at the Contemporary Jewish Museum, San Francisco, CA. October 2, 2011.
- * **“Border Reflections”**
Presented at Political Equator 3—Conversations on co-existence: Border neighborhoods as sites of production Conference. Tijuana, Mexico. June 4, 2011
- * **“Rasquachetecture: Architecture Reconsidered from Mud to Border Fences”**
Presented at the 4th Annual Celebrando: Water + Resilience sponsored by the Arid Lands Institute at Woodbury University. Embudo, NM. June 10, 2011
- * **“800X60: Adaptive Architecture and Security Infrastructure at, along and across the U.S.-Mexico Border”**
Presented with Teddy Cruz as part of the 1st Biennial of the Americas, Denver, CO. July 6, 2010
- * **“The Use of Earthen Building Materials in Contemporary Architecture”**
Presented at the U.S. Embassy Speakers Program. Riyadh, Saudi Arabia. October 27, 2010
- * **“The Future of Earth Building and Computer Aided Design”**
Presented at the U.S. Embassy Speakers Program. Riyadh, Saudi Arabia. October 28, 2010

* *Events since last merit review*

** *Events since appointment*

- * **“Traditional Adobe Construction in Yemen”**
Presented at the U.S. Embassy Speakers Program. Riyadh, Saudi Arabia. October 29, 2010

- * **“Digital Earth”**
Presented at the 2nd Pan African Cultural Festival in Algiers, Algeria as part of the festival an exhibit and symposium entitled Terres, d’Afrique et d’Ailleurs, sponsored by the Algerian Ministry of Culture. April 27, 2010.

- * **“Visualizing the Future of Environmental Design”**
Speaker and panelist at the 50th Anniversary of the College of Environmental Design. University of California Berkeley. February 5, 2010

- ** **“Earth Architecture—The Book.”**
Presented at AdobeUSA 2009 International Conference and Trade Fair. El Rito, New Mexico. May 15-17, 2009

- ** **“Earth Architecture—The Book”**
Presented at Mediterra 2009: 1st Mediterranean Conference on Earth Architecture. Cagliari, Sardinia, Italy . March 13-16, 2009

- ** **“Reformulating Infrastructure”**
Panel discussion presented at Woodbury University as part of the School of Architecture Lecture Series. With Christopher Hawthorn, Critic, Los Angeles Times; Cliff Garten, Principal Cliff Garten Studio and Patricia Limerick, Faculty Director and Chair of the Board of the Center of the American West at the University of Colorado. February 23, 2009.

- ** **“Three Books: Three Faculty”**
Presented with Professor Andrew Shanken and Professor Rene Davids as part of the University of California Berkeley Department of Architecture Lecture Series. February 11, 2009.

- ** **“Earth Architecture”**
Presented at The University of California Berkeley Architecture Research Colloquium. Friday, October 17, 2008

- ** **“Earth Architecture—The Book”**
Presented at Lehm 2008 International Conference of Earthen Architecture. Koblenz, Germany. October 10-11, 2008

- “Recent Work”**
Presented at The University of Colorado, April 19, 2007

- “Digital Desert”**
Presented at The University of Arizona, March 28, 2007

- “Earthscrapers”**
Presented at as part of The University of Houston Lecture Series, “On the Edge”, April 28, 2006

- “Yemen 2005”**
Keynote presentation at the Adobe Association of the Southwest Annual Conference, El Rito, NM. May 20, 2005

- “Recent Projects”**
Milwaukee Institute of Art & Design Lecture Series, “Fuzzy Edge 2”, November 4, 2004

- “Earth Architecture in the Context of Modernity”**
Presented at the Annual Conference of the International Adobe Alliance, Northern New Mexico Community College, El Rito, New Mexico.. May16-17 2003.

- “Current Projects”**
Presented at Clemson University, Clemson, South Carolina. 2003

- “Stackables”**
Presented at the Southern California Institute of Architecture, Los Angeles, California. 2002

- “Skyscrapers and Earthscrapers”**
Presented at Texas Tech University. Lubbock, Texas. 2001

* *Events since last merit review*

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“Work”

Presented at Clemson University, Clemson, South Carolina. 2001

“Global and Local Conditions of Earth Architecture”

Presented at The University of Colorado at Boulder. 2000

Exhibitions

- * **“Trazando La Linea”**
Centro Estatal de las Artes in Mexicali, Baja California, Mexico, from May 4-July 8, 2012.
- * **“SEAT Seminar—Conceptualization and Visualization”**
Art and Design Center, UC Berkeley Extension, September 20–November 4, 2011.
- * **“Life at the Speed of Rail: After Car Culture, Designing the New LA”**
CalTrans Headquarters, Los Angeles, California, July 12, 2011
- * **“Life at the Speed of Rail: Red State Rail”**
The Baker Institute, Houston, Texas, July 4, 2011.
- * **“Life at the Speed of Rail: Laying Tracks for Economic Development”**
The Museum of Contemporary Art, St. Louis, Missouri, June 28, 2011
- * **“Life at the Speed of Rail: Better Transportation by Design”**
National Building Museum, Washington DC, June 24, 2011
- * **“Seat Slug”**
Fort Mason Center, San Francisco, California, June 23, 2011
- * **3D/DC: 3D Printing Comes to the Nation’s Capital.**
Rayburn House. Washington, D.C. April 28, 2011.
- * **“Vertical Gardens”**
Virginia Center for Architecture, Richmond, Virginia, April 19 - May 29, 2011
- * **“Sukkah City”**
Union Square, New York, NY, September 10-16, 2010
- * **“Sukkah City: Winning Designs”**
Center for Architecture Center for Architecture, New York, NY. September 22 - October 30, 2010
- * **“Earthscrapers”**
Wurster Gallery, Berkeley, CA , October 4 –November 5, 2010
- * **“Earthscrapers”**
Biennial of the Americas, Denver, CO July 1 –30, 2010
- * **“Night Garden”**
Vertical Gardens Exhibit, San Francisco AIA Gallery, San Francisco, CA Feb. 21- May 3, 2010.
- * **“Planter Brick”**
Vertical Gardens Exhibit, San Francisco AIA Gallery, San Francisco, CA Feb. 21- May 3, 2010.

* *Events since last merit review*

** *Events since appointment*

- * **“Night Garden”**
DesCours, New Orleans, LA, Dec. 8-13, 2009.
- * **“Border Wall as Infrastructure”**
National Building Museum, Washington D.C., Nov. 8-12, 2009.
- * **“Rising Tides”**
Curated by the San Francisco chapter of the American Institute of Architects.. San Francisco Ferry Terminal Building. San Francisco, CA. July 14-19, 2009.
- ** **“Vertical Gardens”**
Exit Art. New York, NY. March 28 to May 23, 2009
- ** **“PRAXIS 0-10”**
Barnard College Architecture Gallery. New York, NY. April 6-30. 2009
- ** **“Out of Water: Innovative Technologies in Arid Climates”**
Curated by Aziza Chaouni and Liat Margolis. April 4-30, 2009. The LWR Project Gallery at the University of Toronto School of Architecture. Toronto, Canada
- ** **“Out of Water”**
Traveling Exhibition, Columbus, OH, AIA New York, Boston, MA, Tel Aviv, Israel, Rabat, Morocco 2009
- ** **PRAXIS 10: Urban Matters.**
Artists Space. New York, NY. October 10, 2008
- Making Mud Modern: Earth in Contemporary Architecture**
May 13 – 26, 2007. El Rito Community College
- Making Mud Modern**
Earth in Contemporary Architecture. Lee Gallery, Clemson University. April 2 – 6, 2007
- Cover Exhibition PRAXIS Issues 0-8**
Rensselaer Polytechnic Institute, October 25, 2006
- PRAXIS 8: RE: Programming**
Center for Architecture. Storefront for Art and Architecture New York, NY. May 25, 2006
- "Hydro Wall"**
Neocon, Chicago World's Fair, June 14-16, 2006
- "Hydro Wall"**
ICFF in New York. May 20-24, 2006
- "Hydro Wall"**
Art Directors Club in New York. April 26-29, 2006
- PRADA MARFA**
Permanent Land Art installation, Valentine, Texas. October 1, 2005
- PRAXIS 6: New Technologies/::New Architectures**
Center for Architecture. New York, NY. March 12, 2004
- “Common Ground”**
Architecture League of New York, exhibit for entries in First Step Housing Competition. New York, NY. November 12-December 12, 2003.
- 2004 Design Communication Association Exhibition**
Biannual Conference of the DCA. Cal Poly, San Luis Obispo, CA. January 8 – 10, 2004.
- INTIMACY: Beyond Media 7**
International Festival of Architecture featuring Video 10 Short student videos directed by Ronald Rael were selected for this important international exhibit. Florence, Italy. October 2-12, 2003
- SECCA Home/House Competition Exhibition**
South East Center for Contemporary Art. Winston-Salem, North Carolina October 13, 2003.

* *Events since last merit review*

** *Events since appointment*

“PRAXIS 5: Architecture After Capitalism”

Architecture League of New York, Urban Center Exhibition of July 26, 2003

SECCA Home/House Competition Exhibition

South East Center for Contemporary Art. Winston-Salem, North Carolina. May 10 – July 6, 2003.

“PRAXIS 4: Landscapes”

Whitney Museum of Modern Art. Sound Check. October 11, 2002

“EARTHSCRAPER”

Venice Biennial, Venice Italy, Less Aesthetics, More Ethics Exhibition of. Venice, Italy. June 18th – October 29, 2000

“Before + After”

An Architectural Exhibit presenting a critical inquiry into the practical interventions and trends effecting change in the built environment. American Institute of Architecture Gallery. Denver, Colorado January 26th through February 23, 2000.

“PRAXIS 0: Architecture & The University”

Prairie Avenue Bookshop, Chicago, Illinois. December 6, 2000

“PRAXIS 0: Architecture & The University”

Contemporary Art Center, New Orleans, Louisiana. PRAXIS
Exhibition of Issue Zero, Volume One. December 2, 2000

“PRAXIS 0: Architecture & The University”

William Stout Architectural Books. San Francisco, California. PRAXIS
Exhibition of Issue Zero, Volume One. December 23, 2000

“PRAXIS 0: Architecture & The University”

Van Allen Institute, New York, New York, PRAXIS
Exhibition of Issue One, Volume One. June 1, 2000

“PRAXIS 0: Architecture & The University”

Storefront for Art and Architecture, New York, New York, PRAXIS
Exhibition of Issue Zero, Volume One. November 11, 2000

“Monster”

Core Alternative Art Space, Denver, Colorado, New Concepts in Alternative Furniture Design,
‘Monster’, portable storage space. 1994

Websites

**** Founding editor of U.S./Mexico Border Wall as Architecture**
<http://borderwallasarchitecture.blogspot.com>. 2008—

*** Founding editor of Earth Architecture**
<http://www.eartharchitecture.org>. 2003—

**** RAEL SAN FRATELLO ARCHITECTS**
<http://www.rael-sanfratello.com>. 2002—

**** Founding co-editor of SLV Dweller**
<http://www.slvdweller.com>. 2002—2011

Television & Radio

*** “Imaginando un muro fronterizo humano, ecológico y hasta divertido”**
Univision. Interview with Ronald Rael. Airdate, 13, April 2011

*** Earth Architecture**
Interview with Alan Saunders. ABC By Design. Australian Broadcasting Company. Airdate
January 28, 2009

**** Meaning and Making**
Interview with Sudthida Cheunkarndee. San Francisco Academy of Art. November 6, 2008

***** *Events since last merit review*

****** *Events since appointment*

Invited Academic Juries

- ** The Architectural Association, Columbia University, Harvard University, Southern California Institute of Architecture, Università degli Studi di Genova (Italy), Georgia Institute of Technology (SGF-IR Prize), California College of the Arts, The University of Arizona, Ohio State University, University of Houston, Tulane University, University of Colorado, University of New Mexico, Texas Tech University, Clemson University

Memberships & Affiliations

- ** **Founding Member and Graphic Designer, Praxis: Journal of Writing + Building**
Founded in 1999, PRAXIS: a journal of writing + building has established itself as a distinctive voice in international architectural culture. The Journals are also lauded for their design and have been exhibited widely. The collection of journals was recently acquired the Museum of Modern Art and the Frac Centre in 2011. Issue 5 received a design award from ID Magazine in 2004.
- * PRAXIS Issue 13, Eco-logics, April, 2011
- ** PRAXIS Issue 11+12, 11 Architects/12 Conversations, June 2010
- ** PRAXIS Issue 10, Urban Matters 10, October 2008
- PRAXIS Issue 9, Expanding Surface Number 9, October 2007
- PRAXIS Issue 8, Re: Programming Number 8, May 2006
- PRAXIS Issue 7, Untitled Number 7, Jan 2005
- PRAXIS Issue 6, New Technologies-New Architectures, February 2004
- PRAXIS Issue 5, Architecture after Capitalism, May 2003
- PRAXIS Issue 4, Landscapes, September 2002
- PRAXIS Issue 3, Housing Tactics, December 2001
- PRAXIS Issue 2, Mexico City, March 2001
- PRAXIS Issue 1, Detail: Specificity in Architecture, June 2000
- PRAXIS Issue 0, Architecture and the University, November 1999
- ** **Board member of EARTH USA**
Established in 2003, EARTH USA is a non-profit organization that hosts conferences, trade fairs and publishes information to disseminate and educate broadly on the topic of earthen architecture, construction and culture. Member since 2003.

University, College and Departmental Service

- * Search Committee, Structures and Emerging Building Technology
Departmental Service. 2011-2012
- * Undergraduate Affairs Committee/Commission on Lower Division Experience
College of Environmental Design Service. 2011
- * Undergraduate Curriculum Committee
Departmental Service. 2011
- * CAD/CAM Manager Search Committee
College Service. 2011
- * Faculty Advisory Committee, Berkeley Art Museum / Pacific Film Archive
University Service. 2010—present
- * Eisner Prize Selection Committee
Departmental Service. 2010
- * Digital Fabrication Laboratory Supervisor
College Service. 2009—2011
- ** CED 50th Anniversary Planning Committee
College Service. 2009
- ** Architecture Department Lecture Series Committee Member
Departmental Service. 2008—2010
- * *Events since last merit review*
- ** *Events since appointment*

** M.Arch Application Review
Departmental Service. 2008—

** Digital Fabrication Advisory Committee
College Service. 2008

** Branner Traveling Fellow Selection Committee Member
Departmental Service. 2008

** Architecture Departmental Review Committee
Departmental Service. 2008

Co-Academic Director Charles E. Daniel Center for Building Research and Urban Studies. 2006-2007
Foundations Studio Coordinator. 2002-2006

College Digital Media Laboratory Development Committee Chair. 2004-2006

Gateway Park Community Design/Build Coordinator. 2005

Undergraduate student Faculty Advisor for 50+ Students. 2002-2006

Chair Search Committee. 2004-2005

Living Water Community Design Project Leader. 2003-2005

AREA Design/Build Project Coordinator. 2004

College Faculty Advisory Council. 2004-2005

Studio South Community Design/Build Coordinator. 2003

Design coordinator for School of Architecture Web Site and Publications. 2002-2005

Faculty Graduate Thesis Advisor. 2002-2005

Faculty Search Committee Member. 2002-2003

Accreditation Archive Coordinator. 2001

Exhibition Coordinator. 2000

College of Architecture and Planning Mission Committee member. 2000

Advisory committee to institute a certificate program in Historic Preservation member. 2000