Education	Doctor of Philosophy in Architectural Science Rensselaer Polytechnic Institute, Troy, New York <i>Dissertation Title: (In)Forming: the Affordances of Digital Fabrication in Architectural Education</i>
	Master of Architecture The University of Illinois, Chicago
	Bachelor of Architecture Minor in Philosophy California Polytechnic State University, San Luis Obispo, CA
Administrative Experience	Architecture Department Head, 2022 - Associate Dean for Academic Affairs, 2017 - 2022 College of Architecture and Environmental Design Chair of Tenure and Tenure-Track Faculty, 2016-2017 Chair of Curriculum Committee, 2012-2017 Director, Architecture Summer Career Workshop, 2006 -
Academic Experience	 Professor of Architecture, 2017 - Associate Professor of Architecture, 2012 - 2017 Assistant Professor of Architecture, 2008-2012 Lecturer in Architecture, 2002-2004, 2008. California Polytechnic State University, San Luis Obispo, CA Visiting Assistant Professor of Architecture, Winter and Spring 2007 The University of Oregon
	Research Fellow , Institute for Digital Fabrication, Fall 2007 Ball State University
	Doctoral Teaching Fellow , AY 2005, Fall 2006, Fall 2007 Rensselaer Polytechnic Institute
	Teaching Assistant , 2000-2001 University of Illinois, Chicago
	Guest Critic California College of the Arts 2011, 2013, 2015, UNC Charlotte 2014, UC Berkeley 2013, University Southern California 2012, Arizona State University 2009, Cranbrook Academy of Art 2006-2008, RISD 2007, Columbia University 2005-2006, Pratt Institute 2006, Catholic University of America 2006/2011, UIC 1996-2002, IIT 2001
Professional Experience	Associate , OWP/P Architects, Chicago, IL, 1997-2002 Intern Architect , Jaeger Nickola Architects, Park Ridge, IL, 1995-1997

Mark N. Cabrinha, Ph.D.

Cal Poly Architecture Department

Peer-Reviewed
Publications"Lattice Shell Methodologies: Material Values, Digital Parameters," Digital Wood Design: Innova-
tive Techniques of Representation in Architectural Design, eds. Fabio Bianconi and Marco Filip-
pucci. Springer, Switzerland (2019).

"Geodesic Lattice Shell Methodologies," *Proceedings of the annual symposium of the International Association of Shell and Spatial Structures (IASS)*. Tokyo, Japan (2016).

"Parameters for Plasticity: An approach to FRP unitized facade design," w/ Jeff Ponitz, *Proceed-ings of the Facade Tectonics World Congress,* Los Angeles, California (2016).

"Simplexity: Unitized FRP Facade Systems," w/ Jeff Ponitz, Design Agency: Proceedings of the 34th Annual Conference of the Association for Computer-Aided Design in Architecture (ACADIA), Los Angeles, California (2014).

"Learning Networks: Accelerating Creativity through the Entanglement of Social Interaction, Constructed Artifacts, and Dynamic Environments," w/ David Preston, Royal Geographical Society International Conference, London, England (2014).

"Lattice Shell Methodologies," Rethinking Comprehensive Design: Speculative Counterculture, Proceedings of the 19th Internatinal Conference of the Association of Computer-Aided Architectural Design Research in Asia, CAADRIA 2014. Kyoto, Japan (2014).

"Composite FRP Unitized Facades," w/ Jeff Ponitz, Rethinking Comprehensive Design: Speculative Counterculture, Proceedings of the 19th Internatinal Conference of the Association of Computer-Aided Architectural Design Research in Asia (CAADRIA). Kyoto, Japan (2014).

"Surface Effects and Spatial Affect in Digital Fabrication," w/ Jeff Ponitz (primary author) and Clare Olsen, *Engaging Media: Proceedings of the 31st Annual National Conference on the Beginning Design Conference (NCBDS)*, Houston, Texas (2014).

"The SLO_Gen Table: Cultivating Industry / Academic Partnerships," *Proceedings of the TxA Interactive*, Texas Society of Architects 74th Annual Convention. Fort Worth, Texas (2013).

"Molding Ecologies: Concrete, Climate, and Craft," w/ Clare Olsen, Jeff Ponitz, and Carmen Trudell, New Constellations New Ecologies Research and Design Projects Catalog, 101st Annual Meeting of the ACSA, San Francisco, California (2013).

Cabrinha, Johnson, Steinfeld, eds. Synthetic Digital Ecologies: Proceedings of the 32nd Annual Conference of the Association for Computer-Aided Design in Architecture (ACADIA), San Francisco, California (2012).

"Scale Matters," *Working Full-Scale*, Phillip Anzalone, ed. Columbia University Publications (2012).

"Risky Business: from Direct Fabrication to the Abstract Workshop" *Proceedings of the ACSA Annual Conference Digital Aptitudes,* Boston, Massachusetts (2012).

"Subverting Gender in the Design-Build Studio" *Proceedings of the ACSA Fall Conference Local Identities / Global Challenges,* Houston, Texas (2011).

"Crossing the Digital Divide through Digital Dexterity" *Proceedings of the ACSA National Conference*, Montreal, Canada (2011).

Mark N. Cabrinha, Ph.D.

Cal Poly Architecture Department

Peer-Reviewed
Publications
(cont'd)"Parametric Sensibility: Cultivating the Material Imagination in Digital Culture," Life In:Formation:
the Proceedings of the Association for Computer-Aided Design in Architecture (ACADIA), New York,
New York (2010).

"Craft and Culture: the F-Stop Student Lounge" and "Material Assembly: the Moveable Feast," *Input Output: Adaptive Materials and Mediated Environments*, Temple University, Pennsylvania (2010).

"Material Imagination in Digital Culture," MADE: Design Education and the Art of Making, Proceedings of the 26th Annual National Conference on the Beginning Design Conference (NCBDS), Charlotte, North Carolina (2010).

"Life Size: Environmental Knowing through Full Scale Installations" *Proceedings of the ACSA National Conference*, Portland, Oregon (2009).

"Installing a Studio-Based Collective Intelligence" and "Moveable Feast" *Proceedings of the ACSA West Central Conference*, Champaign, Illinois (2008).

"Gridshell Tectonics: Material Values Digital Parameters," Silicone + Skin: *Proceedings of the Association for Computer-Aided Design in Architecture (ACADIA)*, Minneapolis, Michigan (2008).

"Enabling Constraints in the Digital Design Process through a Plywood Gridshell," Green Challenges in Research, Practice, and Design Education: Proceedings of the Architectural Research Centers Consortium (ARCC), Eugene, OR (2007).

"(In)Forming: the Affordances of Digital Fabrication in Design Education," *Fresh Air: Proceedings of the ACSA National Conference*, Philadelphia, PA (2007).

Luhan, Anzalone, Cabrinha, Clark, eds. Synthetic Landscapes: Proceedings of the Association for Computer-Aided Design in Architecture (ACADIA), Lousiville, Kentucky (2006).

"Synthetic Pedagogy," Introduction and Topic Node Chair, and "25th Anniversary White Papers," Introduction, in *Synthetic Landscapes*.

"Technique as Method," Intersections: Proceedings of the National Beginning Design Conference, Des Moines, Iowa (2006).

"From Bezier to NURBS: Integrating Digital and Material Techniques in a Plywood Shell," *Smart Architecture: Proceedings of the Association for Computer-Aided Design in Architecture (ACADIA)*, Savannah, Georgia (2005).

"Thinking is Making: Emphasizing Inquiry through Technique in the Beginning Design Studio," w/ Keith Wiley, *A Beginner's Mind: Proceedings for the National Beginning Design Conference,* San Antonio, Texas (2005).

"Stressed Skins: Skin is Structure," in Growthspurt Exhibit, *Fabrications: Proceedings of the Association for Computer-Aided Design in Architecture (ACADIA)*, Toronto, Canada (2004).

"Function Follows Form: 10 Sticks (and a Bench),"

Connecting Crossroads: Proceedings of the Association for Computer-Aided Design in Architecture (ACADIA), Indianapolis, IN (2003). Also Published and Presented as: "Weaving Form and Function," Weaving: Proceedings of the ACSA West/Central Conference, Indianapolis, IN (2003).

	Mark N. Cabrinha, Ph.D.
	Cal Poly Architecture Department
Selected Trade Publications	Gardiner, Ginger. "The building envelope: FRP unitized facades," in Composites World Vol 1, No 4: 54-56, April 2015. http://www.compositesworld.com/articles/the-building-envelope-frp- unitized-faades
	Gardiner, Ginger. "Composites in architecture: Educating for Growth," CompositesWorld.com (12/16/14) at http://www.compositesworld.com/blog/post/composites-in-architecture-edu-cating-for-growth
	Werner, Frank. "Extending the Designer's Palette with Block," Dynamics of Masonry Vol 2, No 5 (2016).
	Cabrinha, Mark and Alex Keifer and Jacob Van de Roovaart. "Screen Block Innovation Incor- porates Structural Reinforment: Flip Block," Dynamics of Masonry Vol 2, No 5 (2016). http:// dynamicsofmasonry.com/index.php/archives/current-issue/universities-teach-architectural- students-design-new-cmu-extend-palette
	LG Hausys. "A New Generation of Inspiration: SLO TABLE," http://www.lghimacsusa.com/me- dia/93/111 (2015)
	LG Hausys," Organic SLO_Gen table - made with HI-MACS - amazes visitors at Gensler offices," http://himacs.eu/en/slogen-table
	Peters, Brady and T. Peters. "Introduction," <i>Inside Smart Geometry: Expanding the Architectural Possibliites of Computational Design</i> , Wiley UK (2013).
Invited Lectures	"Open Source Learning Lab Kit, " Autodesk Pier 9, AiR Presentation, San Francisco, CA (2016) https://vimeo.com/161645304.
	"Open Source Learning Lab Kit," Digital Craft Lab, California College of Arts, San Francisco
	(2016). "Screen Block," Keynote at Annaul Business Meeting of Concrete Masonry Association of Califor- nia and Nevada (CMACN), Carmel, CA (2015).
	"Mass Customization of Concrete Masonry Units," The Masonry Society, University Professors'
	"The Teaching Practitioner / The Practicing Teacher", ACSA Annual Meeting of College of Distin-
	guished Professors Special Focus Session (2013) "Cultivating the Material Imagination in Digital Culture," Digital Provocations Symposium, Uni-
	versity of Minnesota, Minneapolis, MI (2012). "Materials First", Institue for Digital Fabrication, Ball State University, Muncie, IN (2007).
Funded Research	\$10,000 Hearst Student-Scholar Fellowship (2017-2018) \$30,000 Hearst Teacher-Scholar Grant (2015-2016) \$5,000 Association of Composite Manufactuers Assocation, Architectural Division of ACMA's Composites Growth Initiative. Funded exhibition at AIA National Convention, Chicago (2014).
	\$50,000 Encelos Corp, funded student traver to AIA National Convention, Chicago (2014). \$50,000 Material Innovation Fund, Concrete Masonry Association of California and Ne- vada(2013-2017). \$25,000 Learn By Doing Commons Design Charette, Office of the President, Cal Poly (2013).
	\$6,500 Greenwall Greenhouse at Chumash Farms, PDCI SEED Grant (2011).

	Mark N. Cabrinha, Ph.D.
	Cal Poly Architecture Department
Academic Service	Co-Chair, ACADIA Conference 2012, "Synthetic Digital Ecologies", San Francisco, CA. West Regional Director of the ACSA, 2010-2013 Steering Committee, ACADIA, 2009-2011 Chair, ACADIA Competition Committee, 2007-2008 Co-Chair, ACADIA Conference 2006, "Synthetic Landscapes", Louisville, KY. Design and Production of <i>Proceedings for the Bi-Annual Conference of the Design Communication</i> <i>Association</i> , Cal Poly, San Luis Obispo (2004). <i>External Tenure Review</i> : Drexel University (2016), Georgia Tech (2015) <i>Peer Reviewer</i> : Journal of Architectural Education (JAE) 2016, Architectural Research Centers Consortium 2007, National Beginning Design Conference 2006 & 2007, ACSA Annual Meeting 2003/2007/2009-2012, ACSA Regional 2007, ACADIA Annual Meeting 2003,2008,2012 <i>Session Moderator: "</i> Architecture and Media," ACSA Annual Meeting 2004. <i>Competition Juror:</i> 2005 Bienal Miami + Beach
Honors and Awards	Artist-in-Residence, Autodesk Pier 9, Fall 2015 Architecture Faculty Merit Award, 2012 RPI Faculty Graduate Recognition Award for Excellence in the Study of Architecture, May 2010 ARCC/King Medal for Excellence in Architectural and Environmental Research, May 2010. 2010 NCARB Prize for Creative Integration of Practice and Education in the Academy, with Jim Doerfler, Tom Fowler, and Kevin Dong. Doctoral Fellow (2004-2005), Phillip H. Parthesius Fellowship, Rensselaer Polytechnic Institute Cal State Forgiveable Loan Doctoral Incentive Program Recipient (2004-2008) Lecturer of the Year Award nominee (2004), Cal Poly, San Luis Obispo Award of Distinction (2002), A.E. Stevenson High School conferred by the Joint Annual Confer- ence of Illinois School Boards, Business Managers, and Superintendents. Registered Architect, State of Illinois, beginning 2001 (currently inactive). Association for Computer Aided Design in Architecture. ACADIA