

Jeremy Ficca, AIA

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Professional Status

Since 2006 Registered Architect
National Council of Architectural Registration Boards, USA
Since 2006 Licensed Architect
State of North Carolina, USA
Since 2009 Licensed Architect
State of Pennsylvania, USA

Professional Memberships

2007- Present American Institute of Architects

Education

2000 Post-Professional Master of Architecture
Harvard University
1996 Bachelor of Architecture
Virginia Tech

Academic Appointments

2010-Present Carnegie Mellon University
Associate Professor, Coordinator of Spring Semester Second Year Design Program
Director, Digital Fabrication Lab
2007-2010 Assistant Professor, Coordinator of Spring Semester Second Year Design Program
Director, Digital Fabrication Lab
Teaching
2007-Present Second Year spring semester design studio - coordinator
2007-Present Architecture Required Core Courses
1st Year Introduction to Digital Media Two
2007-Present Architecture Elective Courses
Digital Fabrication Lab Construction 2007; Performance Driven Composite Surfaces
2008; Fabricating Customization 2008; Digital Tectonics – Robotic Fabrication
2009,2010; Parametric Fabrication mini (half semester) 2011

North Carolina State University

2002-2007 Assistant Professor of Architecture
School of Architecture, College of Design

Boston Architectural Center

1997-2001 Instructor of Architecture

Harvard University

1999 Instructor, Career Discovery Program

Additional Teaching

Department of Architecture, American University of Sharjah;
United Arab Emirates
2011 Design Week digital fabrication workshop with Professor Kevin Sweet
School of Architecture, University of Minnesota
2008 "Closing the Loop" graduate Catalyst Workshop with Professor Renee Cheng
School of Architecture, Carnegie Mellon University
2008 Carlo Scarpa Seminar, Venice Italy
In conjunction with summer study abroad studio

Student Research and Thesis Advising

2010-2011 Graded Transitions in Material Connections
Graduate Thesis Advisor for Hironori Yoshida
Master of Science Integrated Product Design, TU Delft

2010 Public Parking, Undergraduate Research Project / Exhibition [URO]
Zach Cohen and Stephanie Newcomb
Carnegie Mellon University

Invited Design Juries

2011 Colgate University
2010 University of Michigan
2010 University of Minnesota – Graduate Thesis Juror
2010 University of Pennsylvania
2009 University of Wisconsin Milwaukee
2008 Penn State University - Kossman Thesis Juror
2007 University of Florida
2006 Penn State University
2006 Clemson University
2006 University of Cincinnati
2004 Syracuse University
2003 Virginia Tech
2002 University of Tennessee
2001 Northeastern University

Practice

2007-present Ficca Architecture (Pittsburgh, PA) Principal and founding Partner

Commissioned Projects

Quantum Theater – Mobile Entrance, Pittsburgh, PA (completed 2011)
Gamma Sports Lobby, Pittsburgh, PA (unbuilt)
Beckers / Davidoff Residence, Pittsburgh, PA
(unbuilt due to fire during construction)
Monocular Sleeve, Residence In Utah (unbuilt)
dFAB, Carnegie Mellon University (completed 2008)
2000-2002 The Office of Peter Rose (Cambridge, MA) Senior Designer, Project Manager
Martha's Vineyard Residence (completed 2004)
Potomac Residence (unbuilt)
1996-1999 Machado and Silveti Associates (Boston, MA) Designer
The Getty Villa Museum (completed 2005)
University of Utah Museum of Fine Arts (completed 2000)
1994 Dennis Kilper, Architect
Blacksburg, VA
Designer

Teaching Awards

2009 Henry Hornbostel Teaching Award
from the College of Fine Arts, Carnegie Mellon University for teaching excellence
and commitment to design education
2005-2006 New Faculty Teaching Award
from the Association of Collegiate Schools of Architecture and the American
Institute of Architecture Students
2005 Outstanding Teacher Award
from the College of Design, North Carolina State University for teaching excellence
and commitment to design education

Design Awards

2008 Design Award of Excellence – Architectural Detail and Craftsmanship
from The American Institute of Architects, Pittsburgh Chapter for the Carnegie
Mellon University Digital Fabrication Lab
Design Award of Excellence
from the American Institute of Architects, Pittsburgh Chapter for Monocular Sleeve
– Park City Utah Addition (unbuilt)

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2004-2005 **Faculty Design and Research Award**
from the Association of Collegiate Schools of Architecture for Performative Surfaces

2010 **Exhibitions**
"Alice Wall"
Input/Output Symposium
Temple University

2007 "Recent Work"
dFAB, School of Architecture
Carnegie Mellon University

2007 "Recent Work"
Brooks Hall Gallery, College of Design
North Carolina State University

2006 "Bungalow Reconfiguration"
Design Expo Raleigh
Raleigh, NC

2005 "Technology Performance Ornament, (*.tpo)"
Municipal Art Society of New York;
Syracuse University School of Architecture;
New York Institute of Technology School of Architecture

2005 "Architecture Edge – Surface"
LUMP Gallery, Raleigh

2005 "Voices of Innovation", A presentation in the honor of Chancellor James Oblinger
in honor of his installation as Chancellor
NC State University College of Design

2005 "ACSA Faculty Design Awards"
ACSA National Meeting, Chicago, IL

2004 "Performative Surfaces"
ACADIA "Fabrications" International Conference Exhibition
Cambridge, ON, Canada

2004 "Critical Mass"
University of North Carolina, Charlotte

2004 "NCSU School of Architecture Faculty Exhibit"
NCSU College of Design

2001 "Immaterial / Ultramaterial"
Harvard University Design School Exhibition

2000 "MoMA Warehouse"
Harvard University Design School

2000 "Vane"
Harvard University Design School Exhibition

1998 "Drawings of the Getty Villa"
Virginia Tech College of Architecture and Urban Studies

2010 **Student Exhibitions**
"Pinch Wall"
student work from Digital Tectonics: Robotic Fabrication Course
Input/Output Symposium
Temple University

2010 "Pinch Wall"
student work from Digital Tectonics: Robotic Fabrication Course
Carnegie Mellon University, Pittsburgh, PA

2010 "Public Parking"
faculty advisor to students Zach Cohen and Stephanie Newcomb
EDGE Gallery, Pittsburgh, PA

2008 "Emissive / Compressive"
student work from Carnegie Mellon University
EDGE Gallery, Pittsburgh, PA

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2003 "Suburban Attractors"
display of undergraduate studio work
Exhibited at National Beginning Design Conference
Stillwater, OK

2012 **Books / Journals / Proceedings**
INPUT_OUTPUT: Performative Materials in Architecture and Design
(under contract to contribute chapter)
Editor: Rashida Ng
Chapter contribution: Material Mining: Reprocessing the Everyday
Intellect Books

2011 **Matter: Material Processes in Architecture (in press - forthcoming July 2011)**
Editors: Gail Peter Borden and Michael Meredith
Chapter contribution: Material Resistance
Routledge, Taylor & Francis Group

2009 **Digital Fabrications: Architectural and Material Techniques**
Lisa Iwamoto
Inclusion of Performative Surfaces material and fabrication research
Princeton Architectural Press, New York, NY

2009 **Peter Rose: Houses**
Peter Rose
Inclusion of work executed while employed at The Office of Peter Rose
Princeton Architectural Press, New York, NY

2005 **The Getty Villa**
Marion True and Jorge Silveti
Inclusion of work executed while employed at Machado and Silveti Associates
Getty Publications, Los Angeles, CA

2002 **Immaterial – Ultramaterial**
Toshiko Mori
Inclusion of materials research on gypsum wall-board conducted at Harvard GSD
George Braziller, New York, NY

2000 **Studio Works 8, Harvard University Design School**
Inclusion of studio project, MoMA Warehouse

2011 **Papers Presented and Published**
Material Resistance, Procedural Resistance
ACSA Annual Meeting, Montreal, Canada

2005 **Performative Surfaces**
ACSA Annual Meeting, Chicago, IL

2004 **Performative Surfaces**
ACSA Northeast Regional Meeting, Syracuse University, Syracuse NY

2004 **Representing the Whole**
21st National Conference on the Beginning Design Student
Hampton VA

2002 **Creases and Plugs**
ARCC International Conference
Tempe, AZ

2003 **Opportunities within the Ordinary**
20st National Conference on the Beginning Design Student
Stillwater, OK

2011 **Invited Lectures and Panel Sessions**
"Material Divulgence", speaker at Design Week,
American University of Sharjah, United Arab Emirates

2011 "Material Resistance", guest lecturer for Introduction to Architecture course,
Colgate University

2010 "Material Resistance", keynote speaker at Input/Output symposium
Temple University

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2010	"Looking Forward: The Future of Architectural Practice", speaker and panelist Build Pittsburgh	1995	History and Theory Scholarship Virginia Tech
2009	"Expressive Tectonics / Suppressive Tectonics", Build Boston with John Folan		
2009	"Monocular Sleeve – Park City House Addition" Faculty Design Session	2011	Interviews of Jeremy Ficca / dFAB A race with technology by Courtney Patterson In Columns, Journal of the American Institute of Architects
2008	Architecture (ACSA) National Meeting, Portland, OR "Thinking Through Making", panel presentation on the roll of digital fabrication in the curriculum at Carnegie Mellon University	2010	Where Ideas are Tested, Inside Carnegie Mellon's School of Architecture by Charles Rosenblum and Becky Spevack In Columns, Journal of the American Institute of Architects
2008	Materialize Innovation Forum, Leuven Belgium "dFAB@CMU", guest lecture to Rothschild Doyno Collaborative Pittsburgh, PA		
2006	"Technology, Performance, Ornament", seminar guest lecture, School of Architecture, Yale University	2011	Press about Jeremy Ficca / dFAB 2011 Isabel Sophia Liceaga Fund Awarded Carnegie Mellon University Press Release
2006	"Performance", Digital Material lecture series, School of Architecture, Clemson University	2009	Carnegie Mellon Professor Receives Henry Hornbostel Teaching Award Carnegie Mellon University Press Release
2004	"Digital Design and Production: Case Studies in Digital Representation and Production" (with Gail Borden), Seminar Presentation, Building Virginia, Virginia Society AIA, Richmond VA	2008	Leveraging Advanced Design Tools Carnegie Mellon University Homepage Innovation Cover Story
2004	"Performative Surfaces", Public Lecture, Presentation of Faculty Research and Professional Development grant work, North Carolina State University, Raleigh NC	2009-Present	Appointments National Council of Architectural Registration Boards [NCARB] IDP Educator Coordinator Carnegie Mellon University
2003	"Public Space, Territory and Social Activity" Designing Better Communities Lectures The North Carolina Chapter of the American Planning Association Raleigh, NC		
	Symposia Organized		
2009	Digital Tectonics: Robotic Fabrication mini-symposium on robotic digital fabrication Carnegie Mellon University	2011	Conference Participation, Working Sessions Building Technology Educators' Society (BTES) "Methods is Architectural Teaching", panelist Association of Collegiate Schools of Architecture (ACSA) National Meeting, Montreal, Canada
2009	Code, Form, Space co-directed with Professor Golan Levin mini-symposium on generative form and digital fabrication Carnegie Mellon University	2008	"Failing Often, Failing Early", panel session organizer and moderator Association of Collegiate Schools of Architecture (ACSA) National Meeting, Houston, TX
	Workshops Organized	2007	Cranbrook Teachers Seminar, Integrated Practice and the 21st Century Curriculum
2010	Distributing Rendering conducted by self Carnegie Mellon University	2007	AIA TAP, The Future of Professional Practice, education session
2009	Processing Workshop conducted by Professor Kostas Terzidis [GSD] Digital Tectonics: Robotic Fabrication mini-symposium Carnegie Mellon University		
2009	Grasshopper Workshop conducted by PhD student Tsung-Hsien Wang Digital Tectonics: Robotic Fabrication mini-symposium Carnegie Mellon University	2008	Conference Leadership in Design Education Moderator for "Expressive Tectonics / Suppressive Tectonics" Association of Collegiate Schools of Architecture (ACSA) West Meeting, Los Angeles, CA
	Grants Awarded		
2011	Liceaga Faculty Award, School of Architecture, Carnegie Mellon University	2010	Appointments ACSA Conferences Task Force
2004	North Carolina State University Research Assistantship Award, "Mobile Learning Units"	2009-present	AIAS Faculty representative
2003	North Carolina State University Faculty Research and Professional development grant, "Performative Surfaces"		
	Merit Recognition and Scholarships		
2000	Studio Distinction- Professor Terence Riley Harvard University	2010-present	Service Carnegie Mellon University School of Architecture Strategic Planning drafting committee
2000	J. Templeton Prize Nomination (best thesis or final project) Harvard University	2010-present	College of Fine Arts, College Council
		2009-present	ACSA Faculty Councilor
		2008-2009	College of Fine Arts, College Council
		2008-present	Department Head Search Committee
		2007	Faculty Search Committee
		2007-present	Curriculum Committee
		2007	Advisory Board Task Force
		2007-present	Undergraduate Admissions
			North Carolina State University
		2006-2007	Chair, School of Architecture Lecture Series
		2006	Team room organizer, NAAB Accreditation Task Force
		2005-2006	ACSA Southeast Regional Director Nominating Committee
		2002-2005	Bachelor of Environmental Design Admissions Committee (chair 2005)

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2005 NC State University, School of Architecture Teaching Fellow Search Committee
2002-2007 Undergraduate Student Advisor
2005 Graduate Student Advisor
2004-2006 Accreditation Committee
2004-2007 Associate of Collegiate Schools of Architecture (ACSA) Faculty Councilor
2004-2007 American Institute of Architecture Students (AIAS) Faculty Advisor

Educational Consulting

2011 Consultant to American University of Sharjah: Department of Architecture
Development of Digital Fabrication Pedagogy