

Tristan Al-Haddad
Assistant Professor
School of Architecture

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Tristan Al-Haddad
Assistant Professor
School of Architecture

I. Earned Degrees

Master of Architecture
Georgia Institute of Technology
Enrolled: 2002-2005
Degree awarded: 2006

Bachelor of Science
Georgia Institute of Technology
Enrolled: 1996-2001
Degree awarded: 2001

II. Employment History

Assistant Professor
Georgia Institute of Technology
College of Architecture
2010-Present

Visiting Assistant Professor
Georgia Institute of Technology
College of Architecture
2006-2010

Lecturer
Georgia Institute of Technology
College of Architecture
2005-2006

Principal and Owner
Formations Studio, LLC
2004-Present

III. Honors and Awards

A. Awards (Juried)

First Place – Concrete Artistry *(National)*
1- American Society of Concrete Contractors
Stealth Sculpture
2- 2015

Representative of the United States of America at the Colombo Art Biennale *(International)*
Womb | Tomb – Exhibited at the Lakshman Kadirgamar Institute
Sculpture: Clay brick, cement, + steel

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3- [2014 | Colombo, Sri Lanka](#)

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E3 Award (Local)

Honoring organizations, businesses, and individuals creating sustainable solutions.

Awarding Body: Metro Atlanta Chamber

Co-recipient with the Simple BoS Research Team and Radiance Solar acknowledging advances in the solar industry.

Date: 2013

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Emerging Voices Award (Local)

Awarding Body: American Institute of Architects (Atlanta Chapter) – Young Architects Forum

Co-recipient with Ryan Gravel, Two person exhibition.

Date: 2011

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Fulbright Visiting Scholar Fellowship (National)

Awarding Body: United States Department of State

Universidad Tecnica Federico Santa Maria – Valparaiso, Chile

Date: 2009

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Artadia Artist Award (Regional)

Awarding Body: Artadia: The Fund for Art and Dialogue

Date: 2009

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Winner of the Infinity Extraordinary Design Award: City of the Future Design Competition (Local)

Awarding Body: The History Channel

Faculty member from the Georgia Tech Team

Date: 2008

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Dean's Faculty Award

Georgia Tech – College of Architecture

2006

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Faculty Service Award

Georgia Tech – College of Architecture

2006

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IV. Research, Scholarship, and Creative Activities

A. Published Books, Book Chapters, and Edited Volumes

A1. Books

Al-Haddad, Tristan (2009) Force + Feedback + Fabrication: Integrating Structural Feedback into Design Processes for Complex Surface-Active Form. Saarbrücken, [Germany]: VDM Verlag Dr. Müller.

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A2. Refereed Book Chapters

Al-Haddad, Tristan. (2012). From Modeling to Making: Parametric Design and Digital

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Fabrication. In F. Trubiano (Ed.), *The Design and Construction of High Performance Homes: Building Envelopes, Renewable Energies and Integrated Practice*. Oxfordshire, Routledge.

A3. Edited Volumes

No Data

B. Refereed Publications and Submitted Articles

B1. Published and Accepted Journal Articles

Cavieres, Andres, R. Gentry, T. Al-Haddad. (2011). Knowledge-Based Parametric Tools for Concrete Masonry Walls: Conceptual Design and Preliminary Structural Analysis. *Journal of Automation and Construction* 20(6), 716-728.

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B2. Conference Presentation with Proceedings

Al-Haddad, Tristan, B. Brooks, R. Gentry, J. Goodman, J. Lohr, K. Rahimzadeh. (2014) [Quad Pod: Ultra-efficient PV Racking System for Long Span Ground Mount and Canopy Applications](#). *Construction Research Congress*, Atlanta, Ga.

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Rahimzadeh, Keyan, J. Fredrickson, T. Al-Haddad. (2013) [Concrete Continuum: Concept, Calculus & Construction Connected Through Parametric Representations](#). *Sociedad Iberoamericana De Grafica Digital (SIGraDi)*, Valparaiso, Chile.

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Rahimzadeh, Keyan, T. Al-Haddad, J. OKelley. (2013) Parametric Portland: Customized Workflows for Reinforced Concrete Design and Construction, *Advanced Structural Engineering and Mechanics Congress (ASEM)*, Jeju, South Korea.

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Cavieres, Andres, J. Goodman, K. Nagel, T. Al-Haddad, R. Gentry. (2013) SIMPLE BoS: Towards a Multidisciplinary Integration of Photovoltaic Energy in Buildings, *Architectural Research Centers Consortium (ARCC)*, Charlotte, North Carolina.

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Al-Haddad, Tristan, R. Gentry, A. Cavieres, T. Thai. (2012) Digitally Augmented Masonry: Application of digital technologies to the design and construction of unconventional masonry structures, *15th International Brick and Block Masonry Conference*, Florianopolis, Brazil.
**Note: This paper is an extension of the paper presented at the North American Masonry Conference, Minneapolis, Minnesota (2011). See below.*

Al-Haddad, Tristan, R. Gentry, A. Cavieres. (2011) Digitally Augmented Masonry: Application of digital technologies to the design and construction of unconventional masonry structures, *11th North American Masonry Conference*, Minneapolis, Minnesota.

Castro, Carlos, J.I. Vega, T. Al-Haddad. (2011) Botterfold, Self-supporting sun break cover, *15th Congreso de la Sociedad Iberoamericana de Grafica Digital (SiGraDi)*, Sante Fe, Argentina.

Gentry, Russell, T. Al-Haddad, A. Cavieres, L. Kahn. (2011) Structural analysis and design of non-planar corbelled concrete masonry walls, *11th North American Masonry Conference*, Minneapolis, Minnesota.

Al-Haddad, Tristan, R. Gentry, A. Cavieres, M. Carpo. (2010) Representation + Fabrication: Connecting descriptions and artifacts in the digital age, *Architectural Research Centers Consortium 2010 Conference Proceedings*, Washington DC.
**Note: This paper is an extension of the paper presented at the International Conference on Structures & Architecture, Guimaraes, Portugal (2010). See below.*

Al-Haddad, Tristan, R. Gentry, A. Cavieres, M. Carpo. (2010) Representation + Fabrication: Connecting descriptions and artifacts in the digital age, 1st International Conference on Structures & Architecture, Guimaraes, Portugal.

Gentry, Russell, A. Cavieres, T. Al-Haddad. (2009) Parametric Design, Detailing and Structural Analysis Of Doubly-Curved Load-Bearing Block Walls, 11th Canadian Masonry Symposium, Toronto, Ontario, Canada.

Cavieres, Andres, R. Gentry, T. Al-Haddad. (2009) Rich Knowledge Parametric Tools for Concrete Masonry Design: Automation of Preliminary Structural Analysis, Detailing and Specifications, Proceedings of the 2009 26th International Symposium on Automation and Robotics in Construction (ISARC), Austin, Texas, U.S.A.

Al-Haddad, Tristan. (2009) Parametric Modulations in Masonry - DCA Conference, Marietta, Georgia, U.S.A.

**Note: This paper is an extension of the paper presented at the CAADRIA 2008, Chiang Mai, Thailand (2008). See below.*

Mazalek, Ali, T. Al-Haddad, C. Winegarden, S. Robinson, C. Wu . (2009), Architales: physical/digital co-design of an interactive story table, Tangible and Embedded Interaction Conference, Cambridge, UK.

Cavieres, Andres, R. Gentry, T. Al-Haddad. (2008) Parametric Design Of Masonry Buildings. Embedding Construction Knowledge, Proceedings of the 2008 8th International Seminar on Structural Masonry (ISSM), Istanbul, Turkey.

Al-Haddad, Tristan. (2008) Parametric Modulations in Masonry, CAADRIA 2008, Chiang Mai, Thailand.

Al-Haddad, Tristan, and R. Gentry. (2006) PerFORMance: Integrating structural feedback into the design process for complex form-active surfaces, Digital Architecture and Construction Conference, Seoul, South Korea.

B3. Other Refereed Material

No Data

B4. Submitted Journal Articles

No Data

C. Other Publications and Creative Products

C1. Creative Practice

C1.1. Patents

Quad-Pod Solar Canopy

Publication Number: US 20140158649 A1

Solar Racking System for longspan canopy applications

Lead inventor - With the Georgia Tech Research Institute.

*Part of the Simple BoS Project funded by the Department of Energy

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Anaconda

Publication Number: US 20140124018 A1
Solar Racking System for flat commercial roofs
Co-Inventor - With the Georgia Tech Research Institute.
*Part of the Simple BoS Project funded by the Department of Energy

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Solar Ridge

Publication Number: US 20130219812 A1
Solar Racking System for pitched residential roofs
Co-Inventor - With the Georgia Tech Research Institute.
*Part of the Simple BoS Project funded by the Department of Energy

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Uniclip

Publication Number: WO 2014160942 A1
Solar Racking Attachment
Co-Inventor - With the Georgia Tech Research Institute.
*Part of the Simple BoS Project funded by the Department of Energy

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C1.2. Permanent Works & Product Design

Work in Progress – NEA Places Commission with the Atlanta Beltline
Landscape Sculpture
In progress | Atlanta, Georgia

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Work in Progress – Nicolett Mall Public Art Commission in Collaboration with James Corner Field Operations
In progress | Minneapolis, Minnesota

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Knowledge Nets – Atlanta-Fulton Southeast Library
Sculpture: Glass, Stainless Steel, + LED Lighting
In progress | Atlanta, Georgia

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Stealth – Promenade Tower Plaza
Sculpture: Reinforced Concrete
2015 | Atlanta, Georgia

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Allotrope – 2100 Ross Avenue
Sculpture: Steel + Polycarbonate
Not installed | Dallas, Texas

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Vamp – Architectural Concrete Tile designed for DEX Industries
Building Product: Concrete
2014 | Atlanta, Georgia

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Tee-Pography – Marriott Hotel
Sculpture: Bronze, MDF, + Golf Tees
2010 | Atlanta, Georgia

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C1.3. Cultural Institution Exhibitions & Installations

Metro-Poli – *Museum of Design Atlanta*
Sculpture: Steel, Acrylic, + PETG
2015 | Atlanta, Ga

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Womb | Tomb – *Colombo Art Biennale. Exhibited at the Lakshman Kadirgamar Institute*
Sculpture: Clay brick, cement, + steel
2014 | Colombo, Sri Lanka

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Vamp – *Colombo Art Biennale. Exhibited at the JDA Perera Gallery*
Sculpture: Gypsum plaster
2014 | Colombo, Sri Lanka

Untitled Drawing – *High Museum of Art. Produced and exhibited in the Monster Drawing Rally event.*
Drawing: Graphite and colored pencil
2013 | Atlanta, Georgia

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Right Pinky – *High Museum of Art*
Drawing exhibited in the group show: Drawing Inside the Perimeter
Ink Jet Print
2013 | Atlanta, Georgia

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Digital Design + Fabrication – *Centre Pompidou*
Video exhibition of work by Tristan Al-Haddad and Various Georgia Tech Faculty at the Advances in Architectural Geometry Conference and Exhibition
2012 | Paris, France

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Emerging Voices 11 – *Museum of Design Atlanta*
Exhibition of work by Formations Studio (Tristan Al-Haddad)
2012 | Atlanta, Georgia

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Mobius I – *Museum of Design Atlanta*
Sculpture: Plywood + Corian
2012 | Atlanta, Georgia

Pucker Up – *Museum of Design Atlanta*
Sculpture: Corian
2012 | Atlanta, Georgia

Beltline Panorama – *Museum of Design Atlanta*
Relief Map: Corian
Collaboration with Ryan Gravel
2012 | Atlanta, Georgia

Liquid Wall – *AIANY Center for Architecture*
Architectural Installation: Ultra High-Performance Concrete, Stainless Steel + Glass
Collaboration w/ Peter Arbour, Coreslab Structures, and Lafarge
2010 | New York, New York
*In conjunction with the *Innovate | Integrate: Building Better Together* Competition

Award & Exhibition

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Ruptures in Running Bond – *Boston Center for the Arts*
Sculpture: MDF + Polymers
2010 | Boston, Massachusetts

ArchiTales – Listening Machines Exhibition - *Eyedrum Gallery*
Interactive Installation: Polycarbonate, PETG, Plywood, Aluminum, Computer + Projector
Collaboration w/ Ali Mazalek, Claudia Winegarden, and student team.
2008 | Atlanta, Georgia

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Space Index - High Museum of Art
Sculpture: PETG and Steel
2006 | Atlanta, Georgia

C1.4. Academic Institution Exhibitions & Installations

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DFL Exhibition – *Georgia Institute of Technology*
Installation / Exhibition of Work from the Digital Fabrication Lab
Collaboration with Daniel Baerlecken, Kevin Shankwiler, and Jacob Tompkins
2015 | Atlanta, Georgia

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Drawn Together – Stubbins Gallery - *Georgia Institute of Technology*
Interactive drawing and listening table machine: Computer hardware and custom software algorithms, wood, LED, projection.
Collaboration with The Open Ended Group (NYC) and the Georgia Tech School of Interactive Music Technology.
2012 | Atlanta, Georgia

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Botterfold – *Universidad Tecnica Federico Santa Maria*
Sculpture: Aluminium
Collaboration with Students.
2009 | Valparaiso, Chile

Body Park – *Universidad Tecnica Federico Santa Maria*
Sculpture: Wood
Collaboration with Students.
2009 | Valparaiso, Chile

iCAVE II - College of Architecture Centennial - *Georgia Institute of Technology*
Installation: Nylon, Spandex, Polypropylene, Aluminum + Steel
2009 | Atlanta, Georgia

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Patterns + Profiles – Objects of Architecture Exhibition - *Southern Polytechnic State University*
Architectural Fragment: Plastic and Stainless Steel
Collaboration w/ Monica Ponce de Leon, Marco Nicotera, and Maita Rivas.
2008 | Marietta, Georgia

Topological Deformations - *Georgia Institute of Technology*

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Sculpture: Polycarbonate, Aluminum, and Steel
Collaboration w/ Nader Tehrani and student team.
2006 | Atlanta, Georgia

Profiles + Patterns - *Georgia Institute of Technology*
Architectural Fragment: Plastic, Stainless Steel, and Cement
Collaboration w/ Monica Ponce de Leon, Marco Nicotera, and Maita Rivas.
2005 | Atlanta, Georgia

Convergence - *The Southern California Institute of Architecture [SCI-Arc]*
Computer Animation and Digital Video
Collaboration w/ Erik Lewitt and Jordan Williams (Plexus R+D)
2004 | Los Angeles, California

C1.5. Works in Permanent Museum Collections

Right Pinky - High Museum of Art
Digital Print, 22 x 13
2012 | Atlanta, Georgia (Acquired by Museum in 2012)

C1.6. Private Gallery Exhibitions & Installations

Collapse - Art Papers Auction
Sculpture: Vinyl Film
2015 | Atlanta, Georgia

Orpheus - Architect as Artist Exhibition - *Swan Coach House*
Video installation
2012 | Atlanta, Georgia

Soft/Hard - Art Papers Auction - *Mason Murer Gallery*
Sculpture: Corian
2012 | Atlanta, Georgia

Corporeal Transmutations & Occupiable Boundaries - Site Unseen Exhibition
Spruill Gallery
Video installation
2011 | Atlanta, Georgia

Slippage I - Art Papers Auction - *Mason Murer Gallery*
Digital Scans + Inkjet Print
2009 | Atlanta, Georgia

iCAVE - Breaking New Ground Exhibition - *Spruill Gallery*
Sculpture: PETG, Bubble Wrap, Textiles, Nylon, + Fluorescent Light
2008 | Atlanta, Georgia

Concrete Tapestries - Art Papers Auction - *Mason Murer Gallery*
Sculpture: Portland Cement, Water, and Steel
2008 | Atlanta, Georgia

Space Index - Art Papers Auction - *Mason Murer Gallery*
Sculpture: PETG and Steel

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2007 | Atlanta, Georgia

ThickNest - Wandern Exhibition - *Solomon Project Gallery*

Sculpture: PETG, Steel, and Fluorescent Light

Collaboration w/ Timothy Frank.

2007 | Atlanta, Georgia

▲ C1.7. Commissioned Installations & Performances

▲ **Pucker Up Philly** – *Corian Design Studio*

Commissioned by: C.H. Briggs

Sculpture: Corian

2012 | Philadelphia, Pennsylvania

▲ **Point Cloud** - *Music Midtown Festival*

Commissioned by: Live Nation

Performance: Lasers, Optics + Fog

2011 | Atlanta, Georgia

▲ **HypoStyle** – *Flux Night*

Commissioned by: Flux Projects

Installation: Fluorescent Light, Wood, Steel, + Nylon

2011 | Atlanta, Georgia

▲ **Cloud Cutting** - *Flux Night (Work in Progress)*

Commissioned by: Flux Projects

Performance: Lasers, Optics + Clouds

2011-Present | Atlanta, Georgia

▲ **MSIRP** - *AGA Exhibition*

Commissioned by: Alan Avery Gallery

Sculpture: Wood, Rope, Polyester, Aluminium, + Fluorescent Light

Collaboration w/ Spencer Hudson

2009 | Atlanta, Georgia

▲ **Virtual Doubling** - *Brownwood Park*

Commissioned by: City of Atlanta, Office of Cultural Affairs

Sculpture: Stainless Steel, Wood, Polycarbonate, + Fluorescent Light

City of Atlanta | Bureau of Cultural Affairs

2008 | Atlanta, Georgia

▲ C1.8. Winning Competition Entries

▲ **Atmosfera Algoritmica**

Competition: Chilean Bicentennial Memorial and Plaza

Client: Municipalidad de Valparaiso with El Club Union Arabe

Result: First Place (Project Unrealized)

Collaboration w/ Pablo Silva

2009 | Valparaiso, Chile

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L-WARPS

Competition: City of the Future (Ideas Competition)
Sponsor: The History Channel
Result: Winner of The Infiniti Extraordinary Design Award
Collaboration w/ Georgia Tech Architecture Program Faculty
2008 | Atlanta, Georgia

C1.9. Competition Entries with Award

Art Infrastructures

Competition: Chattanooga First Street Canopies Competition
Client: Allied Arts
Result: Finalist (Project Unrealized)
Collaboration w/ Daniel Nemeč
2004 | Chattanooga, Tennessee

C1.10. Competition Entries without Award

Corporeal Luminance

Competition: World War I Memorial
2015 | Washington, DC - USA

Ramparts of Remembrance

Competition: World War I Memorial
2015 | Washington, DC - USA

Shuffled

Competition: Art in Freedom Park
Collaboration w/ Curtis Aimes
2006 | Atlanta, Georgia - USA

Loops

Competition: Percent for the Arts Sculpture Competition
Collaboration w/ Curtis Aimes
2005 | Stapleton, Colorado - USA

Exposure

Competition: Kiedler Observatory Competition
Collaboration w/ Dan Nemeč
2005 | Kiedler, United Kingdom

ya-We-taG Wall

Competition: Beale Street Ferry Terminal Gateway Competition
2005 | Memphis, Tennessee - USA

The Garden

Competition: Urban Reserve Housing Competition
Collaboration w/ Stilianı Kastrıtsos
2005 | Dallas, Texas - USA

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Erosions

Competition: Auction Street Traffic Circle Sculpture Competition
2005 | Memphis, Tennessee - USA

Conversations

Competition: McCormick Museum Sculpture Competition
2005 | Chicago, Illinois - USA

Terminal Video

Competition: Percent for the Arts Installation at Hartsfield-Jackson Airport
Collaboration w/ Invited Participant Sara Hornbocker
2004 | Atlanta, Georgia - USA

Transfers

Competition: Percent for the Arts Bus Shelter
2002 | Bloomington, Indiana - USA

D. Presentations

D1. Invited Lectures

D1.1. University Venues

Stealth, the making of,
Georgia Institute of Technology
2015 | Atlanta, Georgia

Parametric Design Processes
School of Architecture
Moratuwa University
2014 | Colombo, Sri Lanka

Reconfigurable Molding Technology for Non-Standard Construction
College of Architecture Research Forum
Georgia Institute of Technology
2013 | Atlanta, Georgia

AIAS Parametric Design Panel Discussion
Georgia Institute of Technology
2013 | Atlanta, Georgia

Renewable energy integration in traditional Vietnamese Communities

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University of Hue
2012 | Hue, Vietnam

[Digit]al [Manu]facturing... or... The D.A.M. Paradigm: Digitally Augmented Making
Georgia State University – DAEL: Digital Arts Lab
2012 | Atlanta, Georgia

Georgia Tech + Formations Studio | Current Research + Design
Southern Polytechnic State University
2011 | Marietta, Georgia

[Digit]al [Manu]facturing... or... The D.A.M. Paradigm: Digitally Augmented Making
Pontifica Universidad Catolica de Santiago
2009 | Santiago, Chile

[Digit]al [Manu]facturing... or... The D.A.M. Paradigm: Digitally Augmented Making
Universidad de Concepcion
2009 | Concepcion, Chile

[Digit]al [Manu]facturing... or... The D.A.M. Paradigm: Digitally Augmented Making
Universidad de Bio-Bio
2009 | Concepcion, Chile

[Digit]al [Manu]facturing... or... The D.A.M. Paradigm: Digitally Augmented Making
Pontifica Universidad Catolica de Valparaiso
2009 | Valparaiso, Chile

▲ Becoming
Tuskegee University
2009 | Tuskegee, Alabama

▲ Variability, Design, and Digital Fabrication
Tulane University
2008 | New Orleans, Louisiana

Variability, Design, and Digital Fabrication
University of North Carolina at Charlotte
2007 | Charlotte, North Carolina

Rule[S]ets: Relational Design Tactics
Southern Polytechnic State University
2007 | Marietta, Georgia

Variability, Design, and Digital Fabrication
Southern Polytechnic State University
2006 | Marietta, Georgia

D1.2. **Professional and Industry Venues**

▲ Stealth, the making of,
Uzun + Case Engineers
2015 | Atlanta, Georgia

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Stealth, the making of,
TVS+A Architects
[2015 | Atlanta, Georgia](#)

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Stealth, the making of,
Perkins + Will
[2015 | Atlanta, Georgia](#)

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Stealth, the making of,
Cooper Carry Architects
[2015 | Atlanta, Georgia](#)

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Stealth, the making of,
Cousins Properties
[2015 | Atlanta, Georgia](#)

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Formations Studio: Matter, Making + Method
[American Composite Materials Association, Architectural Division](#)
[2015 | Atlanta, Georgia](#)

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Digitally Augmented Making: The relationship between technology and design.
[Lakshman Kadirgamar Institute for International Relation and Strategic Studies](#)
[2014 | Colombo, Sri Lanka](#)

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Formations Studio: Matter, Making + Method
[Cooper Carry Architects](#)
[2013 | Atlanta, Georgia](#)

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HeliOculus: Digital Design-Build Studio in Reinforced Concrete at Georgia Tech
[Concrete Reinforcing Steel Institute National Meeting](#)
[2013 | Chicago, Illinois](#)

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Digital Fabrication @ Georgia Tech
[Office of Kieren-Timberlake Architects](#)
[2011 | Philadelphia, Pennsylvania](#)

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Innovate : Integrate Panel Discussion
[AIA Center for Architecture](#)
[2010 | New York, New York](#)

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Digital Fabrication @ Georgia Tech
[BIM Forum](#)
[2010 | Atlanta, Georgia](#)

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Force, Feedback, + Fabrication
[RFR Engineering](#)
[2008 | Paris, France](#)

Applications of parametric geometry in the design process
[Lord, Aeck, + Sargent Architects](#)
[2008 | Atlanta, Georgia](#)
Integration of Standard and Custom components using BIM technologies
[BPMA Conference](#)

2008 | Atlanta, Georgia

Complexity and Making

Panel World Exposition
2008 | Atlanta, Georgia

Digital Making and the Master Builder

Young Architects Forum
2007 | Atlanta, Georgia

D1.3 Design and Cultural Venues

Between Material and Immaterial Worlds

Lakshman Kadirgamar Institute for International Relation and Strategic Studies
2014 | Colombo, Sri Lanka

Georgia Tech + Formations Studio | Research + Design

Museum of Design Atlanta
2012 | Atlanta, Georgia

Modern Atlanta Roundtable on Visualization and Technology

Modern Atlanta Exhibition
2012 | Atlanta, Georgia

Georgia Tech + Formations Studio | Research + Design

AIA Center for Architecture
2011 | New York, New York

[Digit]al [Manu]facturing... or... The D.A.M. Paradigm: Digitally Augmented Making

B.A.N.G.S. Conference and Workshop
2009 | Valparaiso, Chile

Formations Studio: Current Work

Fulton County Arts and Culture
Ponce de Leon Branch Library
2011 | Atlanta, Georgia

Artist Talk

Atlanta Contemporary Art Center
2007 | Atlanta, Georgia

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E. Grants and Contracts

E1. As Principal Investigator

Reinforced Concrete Design + Build Studio.

Role: PI

Sponsor: Concrete Reinforcing Steel Institute (CRSI)

Award amount: \$25,000

Award date: 2012-2013

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Share: 100%

Description: Funding for design + build studio working with digital design and fabrication technologies in reinforced concrete. Studio will work with the Atlanta Beltline Inc to design and construct a public space with integrated Photovoltaic production system.

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Liquid Wall: AIA New York Innovate: Integrate Exhibition

Role: PI

Sponsor: Lafarge Corporation, AIA New York, Coreslab Structures

Award amount: \$3,000

Award date: 2010

Share: 100%

Description: Custom unitized cladding systems in Ultra High-Performance Concrete. Winning competition entry for new curtain wall systems. Competition won by Peter Arbour of RFR engineers. Collaboration between RFR, Georgia Tech, Lafarge, and Coreslab Structures.

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Non-standard building enclosure design and manufacturing in Ultra-High Performance Concrete

Role: PI

Sponsor: Lafarge Corporation

Award amount: \$7,000

Share: 100%

Award date: 2011-2012

Description: The development of non-standard building enclosure systems using sustainable manufacturing techniques and with minimal material consumption or environmental impact. Additionally, creating rich representations which capture both the constraints and potential of the material and the fabrication methods inherent in the Ductal® material.

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Architectural applications for Ultra High-Performance Concrete

Role: PI

Sponsor: Lafarge Corporation

Award amount: \$20,000 in-kind material donation

Award date: 2010

Share: 100%

Description: Exploration of Ultra-High Performance Concrete for use in building enclosure systems.

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CNC controlled reconfigurable and reusable molding mechanism for thin shell Ultra-High Performance Concrete Cladding systems.

Role: PI with Matt Swarts [Co-PI]

Sponsor: Georgia Tech Foundation

Award amount: \$10,000

Share: 100%

Award date: 2011-2012

Description: The goal of the research is to create a system that allows for the production of continuous geometric variations in thin shell cast concrete from a single reconfigurable mold, thus reducing the amount of time, material, and energy consumption required to produce unique components. Conventional static mold making in any casting process represents one of the major material and economic constraints to producing variation in components.

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Architectural Prototyping using Digital Fabrication Technology

Role: PI

Sponsor: Mack Scoggins Merrill Elam Architects

Award amount: \$1,600

Share: 100%
Award date: 2007
Description: Digitally fabricated mockup of masonry veneer cladding system for Yale Health Services Project.

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Customizable Ultra-High Performance Concrete masonry units.

Role: PI
Sponsor: GT-COA and Masonry Institute of America
Award amount: \$5,000
Share: 100%
Award date: 2007
Description: Research into parametric precast technology using reconfigurable and reusable molds.

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E2. As Co-Principal Investigator

[Simple Balance of Systems \(BoS\) for Photovoltaic Systems](#)

Role: Co-PI with J. Goodman [PI], and Russell Gentry, Co-PI. Other senior personnel are associated with the project.

Sponsor: United States Department of Energy

Award amount: \$5,800,000 – Total for three year project. Funding is currently in year three. (Year three funding = \$2,748,706.00)

Award date: 2011-2015

Share: Approximately: 25% (the funds have been managed by GTRI with the PI and Co-PI collaborating on the research).

Description: [Development of next generation Building Integrated and Building Applied Photovoltaic systems working towards a reduction of cost, improved performance and improved constructability for Solar Balance of Systems design, installation, and service.](#)

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E3. As Senior Personnel or Contributor

Kennedy Space Center Architectural Intervention

Role: Lead instructor for SoA studio and design consultant for GTRI

Sponsor: NASA and Delaware North via GTRI

Award amount: \$1,600,000 (final figures forthcoming)

Share: Approximately 50% (final figures forthcoming)

Award date: 2016

Description: Collaborative design and fabrication of architectural intervention using piezoelectric technologies for the NASA facility at the Kennedy Space Center.

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Artist-in-Residence Installation with the Open Ended Group and the School of Music

Role: Collaborator with Gil Weinberg (PI), Jason Freeman, The Open Ended Group, and graduate students.

Sponsor: National Science Foundation & Georgia Tech School of Architecture

Award amount: \$30,000

Share: Approximately 25%

Award date: 2011-2012

Description: Collaborative design and fabrication of computationally driven interactive drawing and listening table. Table worked with various pattern recognition algorithms and stereographic projection technologies. Table designed and fabricated using digital fabrication technologies at the Digital Fabrication Laboratory.

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Extending the Design Potential of Concrete Masonry: Parametric Modeling, Building Information Modeling, and the Curved Façade.

Role: Contributor

Sponsor: National Concrete Masonry Association (NCMA)

Award Amount: \$41,510

Share: Approximately 20%

Award date: 2008

Description: Application of information technology and digital manufacturing tools to the design and construction of non-standard structural masonry walls.

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Acquisition of CNC fabrication technology in the College of Architecture

Role: Contributor with Tripp Edwards and Robert Gerhart

Sponsor: GT Tech Fee

Award amount: \$93,600

Award date: 2008

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Acquisition of two 40 watt Universal Laser Systems Laser Cutters for CNC fabrication in the College of Architecture

Role: Contributor with Tripp Edwards and Robert Gerhart

Sponsor: GT Tech Fee

Award amount: \$50,000

Award date: 2007

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E4. Pending Proposals

No Data

F. Other Scholarly and Creative Accomplishments

F1. Demonstration Projects

Wave Wall

Demonstration Project – National Concrete Masonry Association. San Antonio, Texas. (2010)

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F2. Non-University Grants

Sculpture installation at the Colombo Art Biennale (Sri Lanka)

Role: PI and Sole author of large sculptural work

Sponsor: United States Department of State

Award amount: \$20,500 (external to Georgia Tech)

Award date: 2014

Description: Selected by the United States Department of State as the American Artist to exhibit at the Colombo Art Biennale. The project was both in the support of the arts and U.S. diplomatic relations and outreach.

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F3. Invention Disclosures at Georgia Tech (Pre-patent invention claims)

Glass-on-Glass Colored Photovoltaic Module (2012)

Z-Clip for Concrete Curb (2012)

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▲ Aggregated Frame for Solar Photovoltaic Laminates (2012)

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▲ Frame-Embedded Junction Box for Solar Photovoltaic Modules (2012)

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▲ Hextile Photovoltaic Module (2012)

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▲ Solar Shipping Container (2012)

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▲ Steel Structural Insulated Panel with Integrated Photovoltaic Laminate and Fluid Conduit for Temperature Regulation (2012)

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▲ Standing Seam Solar (2012)

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▲ Mounting System for PV attachment to Roof Rafter Tail (2012)

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▲ Patterns + Profiles Unitized Curtain Wall Molding System (2005)

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G. Societal and Policy Impacts

G1. Published Work Reviews and Citations

G1.1. Print

Hernandez, Erica. (2015, October 18). 33-foot-tall ‘Stealth’ sculpture nears completion in Midtown. *Atlanta Journal-Constitution*.

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[Manasso, J. \(2013, March 22\). Group seeks solar energy savings. Atlanta Business Chronicle.](#)

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[Sams, D. \(2013, July 5\). Cousins Embraces Artists. Atlanta Business Chronicle.](#)

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[Bentley, A. \(2013, May 22\). Dallas Arts District neighbor 2100 Ross Avenue undergoes artsy makeover. Culture Map Dallas.](#)

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[Brown, S. \(2013, May 22\). Bright new artwork planned for downtown Dallas’ Ross Avenue should turn heads. The Dallas Morning News.](#)

[Carlisle, C. \(2013, May 22\). Cousins unveils big changes for 2100 Ross makeover. Dallas Business Journal.](#)

Robinson, R. (2012, Winter). Developing Novel Manufacturing Technologies. *Georgia Tech Research Horizons Magazine*.

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Williams, W. (2012, January 11). Tristan Al-Haddad blurs math and art at MoDA. *Creative Loafing*.

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Sirmans, F. (2011). *5 Cities, 41 Artists, Artadia 08/09: Artadia: The Fund for Art and Dialogue*. New York: Artadia.

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McQuaid, C. (2010, December 15). Southern Charms. *The Boston Globe*.

Byrd, C. (2008). *Reconstructing Atlanta: A Contemporary Continuum*. Atlanta: Ernest G. Welch School of Art & Design Gallery.

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McClintock, D. (2008, July/August). Breaking New Ground: Intersections at the Frontier of Art and Technology. *Art Papers*.

Basu, M. (2008, June 7). Art off the wall. *Atlanta Journal Constitution*.

Hicks, C. (2008, June 4). A [new] Genre Landscape: Artsy Parksy. *Creative Loafing*.

Kelley, C. (2008, July). Artscapes: Temporary projects bloom in local parks. *Atlanta Intown Magazine*.

Kurzner, L. (2007 September/October). Wandern. *Art Papers*.

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Space Jam. (2007, May 27). *Sunday Paper*

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ICFF Preview. (2007, April). *Metropolis Magazine*.

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Georgia Tech Ventulett Chair Installation. (2007, February). *Dwell Magazine*.

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Louie, E. (2006, September 28). From Architecture Students, A Sculptural Structure of Polycarbonate. *New York Times*.

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Stilleburg, T. (2006, February 17). Architecture Students Reach Out to Community. *Technique*.

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Economou, A. (2005). "Tracing axes of growth: The 7 space symmorph groups and their extensions", 5th International Space Syntax Symposium: Delft, Netherlands.

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G1.2. Web

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Hernandez, Erica. (2015, October 7). 'Stealth' sculpture soon to be unveiled in Midtown. Retrieved January 7, 2016, from: <http://www.accessatlanta.com/news/entertainment/arts-theater/stealth-sculpture/nrxMP/>

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O'Neill, Gail. (2015, October 6). Tristan Al-Haddad's shape-shifting sculpture 'Stealth' enlivens Midtown stretch. Retrieved January 7, 2016, from: <http://www.artsatl.com/2015/10/stealth/>

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Staff Writers. (2015, September 16). Process: Tristan Al-Haddad's 'Stealth'. Retrieved January 7, 2016, from: <http://burnaway.org/feature/process-tristan-al-haddads-stealth/>

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Daniel, S. (2014, February 2). Brick by brick, life and death. *The Sunday Times (Sri Lanka)*.

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Rajendran, A. (2014, February 5). Art underlies culture. *The Daily News (Sri Lanka)*.

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Cash, S. (2013). High's Michael Rooks builds collection, community; curates "Drawing Inside the Perimeter". Retrieved May 1, 2013, from: <http://www.ArtsCriticATL.com>

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Fox, C. (2012). Review: Architectural research turns sexy in MODA's Emerging Voices 11. Retrieved January 12, 2012, from: <http://www.ArtsCriticATL.com>

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Tauches, K. (2012). Infrastructures for People: A New Urban Revolution on Display at MoDA. Retrieved January 18, 2012, from: <http://www.Burnaway.org>

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G1.3 Television/Radio

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[Good Morning Sri Lanka \(2014, February 5\). Television interview. MTV network \(Sri Lanka\).](#)

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["Virtual Doubling." \(2008\). Radio Interview. National Public Radio, WABE, Atlanta, a. 2008. Radio.](#)

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H. Other Professional Activities

H1. Faculty Development in Research

[Attendee: 'BEST: Building Enclosure Science and Technology Conference'.](#)
Organizers: NIBS: National Institute of Building Sciences
Atlanta, Georgia
April 2-4, 2012

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Attendee: 'Parametric Modeling and Digital Wood Fabrication Symposium and Workshop'.
Organizers: Canadian Design Research Network, University of British Columbia, and Simon Fraser University.
Vancouver, Canada
February 15-24, 2007

Fall 2013	<u>ARCH 4011</u>	<u>5-1-12</u>	<u>Design Studio V</u>	<u>12</u>	Formatted: Font: (Default) Times New Roman, 11 pt
Spring 2013	ARCH 6072	6-1-12	Design + Research Studio	11	Formatted: Font: (Default) Times New Roman, 11 pt, Not Italic
Spring 2013	ARCH 8803	3-3-0	Solarapolis: Urban Integrated Photovoltaic Design Workshop	4	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2012	ARCH 8803	3-3-0	Plasticity + Portland: Non-Standard Design & Construction in Reinforced Concrete	13	Formatted: Font: (Default) Times New Roman, 11 pt, Not Italic
Spring 2012	ARCH 3012	5-1-12	Design Studio IV	9	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2011	ARCH 6505	3-3-0	Geometric Constructs in Digital Space (Grad Section)	13	Formatted: Font: (Default) Times New Roman, 11 pt, Not Bold
Fall 2011	ARCH 6053	6-1-12	Options III Design Studio Vertical Studio with ARCH 4011	9	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2011	ARCH 4803	3-3-0	Geometric Constructs in Digital Space (Undergrad Section)	4	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2011	ARCH 4011	5-1-12	Design Studio V Senior Year Vertical Studio with ARCH 6053	5	Formatted: Font: (Default) Times New Roman, 11 pt
Summer 2011	ARCH 6505	3-3-0	Geometric Constructs in Digital Space (Grad Section Only)	10	Formatted: Font: (Default) Times New Roman, 11 pt
Spring 2011	ARCH 7090	6-1-12	Master's Project Studio	10	Formatted: Font: (Default) Times New Roman, 11 pt
Spring 2011	ARCH 6504	6-1-12	Digital Design and Fabrication Workshop	2	Formatted: Font: (Default) Times New Roman, 11 pt

Spring 2011	ARCH 8803	3-3-0	Advanced CNC Fabrication Seminar and Mold Making Workshop	11	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2010	ARCH 6051	6-1-12	Options I Design Studio	12	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2010	ARCH 7060	3-3-0	Critical Positions	10	Formatted: Font: (Default) Times New Roman, 11 pt
Spring 2010	ARCH 6052	6-1-12	Options II Design Studio	13	Formatted: Font: (Default) Times New Roman, 11 pt
Spring 2010	ARCH 8803	3-3-0	Parametric Modulations in Masonry	5	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2009	NA	NA	Taller Avanzado – Taught at the Universidad Technica Federico Santa Maria as part of the Fulbright Visiting Scholar Fellowship	22	Formatted: Font: (Default) Times New Roman, 11 pt
Spring 2009	ARCH 8803	3-3-0	Parametric Modulations in Masonry	3	Formatted: Font: (Default) Times New Roman, 11 pt
Spring 2009	ARCH 2012	4-0-12	Design Studio II	12	Formatted: Font: (Default) Times New Roman, 11 pt
					Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2008	ARCH 4011	5-1-12	Design Studio V Senior Year Paris Study Abroad Program	29	Formatted: Font: (Default) Times New Roman, 11 pt, Not Bold
Fall 2008	ARCH 4803	3-3-0	CUT: Cinema, Urbanity, + Technology	12	Formatted: Font: (Default) Times New Roman, 11 pt
Spring 2008	ARCH 4012	5-1-12	Design Studio VI	13	Formatted: Font: (Default) Times New Roman, 11 pt
					Formatted: Font: (Default) Times New Roman, 11 pt
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Spring 2008	ARCH 4803/8803	3-3-0	Interactive Tables (with Ali Mazalek and Claudia Winegarden)	9	Formatted: Font: (Default) Times New Roman, 11 pt
Spring 2008	ARCH 4803/8803	3-3-0	Hylography (with Athanasios Economou)	15	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2007	ARCH 4853/8853	3-3-0	Performative Feedback and Adaptive Systems	8	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2007	ARCH 4803/8803	3-3-0	MetAtomic Architectures: Digital Fabrication and Materiality	11	Formatted: Font: (Default) Times New Roman, 11 pt
Spring 2007	ARCH 4832/8832	3-3-0	Parametric Modulations in Masonry	18	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2006	ARCH 2011	4-0-12	Design Studio I	13	Formatted: Font: (Default) Times New Roman, 11 pt, Not Bold
Fall 2006	ARCH 4803/8803	3-3-0	MetAtomic Architectures: Digital Fabrication and Materiality	14	Formatted: Font: (Default) Times New Roman, 11 pt, Not Bold
Spring 2006	ARCH 4832/8832	3-3-0	Digital Manufacturing II (with Nader Tehrani)	5	Formatted: Font: (Default) Times New Roman, 11 pt, Not Bold
Spring 2006	ARCH 4851/8851-A	1-2-1	Introduction to CAD Systems	29	Formatted: Font: (Default) Times New Roman, 11 pt, Not Bold
Spring 2006	ARCH 4851/8851-B	1-2-1	Introduction to BIM Systems	36	Formatted: Font: (Default) Times New Roman, 11 pt, Not Bold
Fall 2005	ARCH 4420	2-3-3	Introduction To Design Computing (with Athanasios Economou)	63	Formatted: Font: (Default) Times New Roman, 11 pt
Fall 2005	ARCH 4833/8833	3-3-0	Digital Manufacturing I (with Nader Tehrani)	9	Formatted: Font: (Default) Times New Roman, 11 pt

Fall 2005 ARCH 4851/8851- A 1-2-1 Introduction to CAD Systems 16

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Fall 2005 ARCH 4851/8851- B 1-2-1 Introduction to BIM Systems 4

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B. Individual Student Guidance

B1. Ph.D. Students

No Data

B2. M.S. Students

M.S.D.D.F Thesis - Zeynep Keskin

Title: Digital Representation and Constructibility of Minimal Surfaces in Concrete

Role: Thesis Advisor - Georgia Tech (Expected completion summer 2015)

B3. Undergraduate Students

No Data

B4. Service on Thesis or Dissertation Committees

M.Arch Masters Project - Wade Nolan

Title: 'Solar Structural Insulated Panel Construction Systems'

Role: Thesis Advisor - Georgia Tech (Spring 2012)

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M.I.D. (Master of Industrial Design) Thesis - Donald Burlock

Title: 'Digital Craft Design: Interface Design for Mass Customization of Furniture Production'

Role: Committee Member - Georgia Tech (2011-2012)

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M.Arch Thesis - Thomas Butler

Title: 'Performance Feedback in the Design Process'

Role: Committee Member - Georgia Tech (2007-2008)

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B.Arch Thesis - Tong Tong

Title: 'Chinese Pavilion for an International Expo in Atlanta'

Role: Committee Member - Southern Polytechnic State University (2007-2008)

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M.Arch Thesis - Richard Aeck

Title: 'Cannoli Framing: The Turnstijl Houses and Configure-to-Order'

Role: Committee Member - Georgia Tech (2006-2007)

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B5. Mentorship of Postdoctoral Fellows or Visiting Scholars

No Data

B6. Independent study

Title: 'Low-Cost Tensile Structures for Utility Scale Photovoltaic Arrays' - Taylor Pitelka (2012)

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Title: 'Non-standard design and construction in Ultra-High Performance Concrete Construction' - Keyan Rahimzadeh (2012)

Title: 'Reconfigurable CNC Molding Technologies' - Wenwen Zhao (2012)

Title: 'Low-Cost Modular Housing' - Aryn Mukadam-Soldier, Abaan Ali, Jasmin Gonzalez (2011)

Title: 'Simulation of UHPC Performance' - Shiva Talebi (2011)

Title: 'Recycled Concrete for Haitian Reconstruction' - Taylor Pitelka, Scott Kittle, Anthony Payne (2011)

Title: 'Digital Fabrication Studies' - Hojin Lee (2007)

Title: 'Digital Fabrication Studies' - Brandon Clifford (2006)

Title: 'Digital Design Studies' - Matt Swarts (2006)

Title: 'Digital Design Studies' - Shutida Srikanchana (2006)

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C. Other Teaching Activities

C1. Invited Lectures and Seminars at Georgia Tech

Talk at the Digital Building Lab Symposium: 'Non-Standard design and construction in Ultra-High Performance Concrete' (2012)

Lecture in Prof. Carpo's Seminar: 'Digital Manufacturing' (2010)

Lecture in COA 1060: 'Digital Manufacturing' (2010)

Lecture in COA 1060: 'Digital Manufacturing' (2009)

Lecture in COA 1060: 'Digital Manufacturing' (2008)

Lecture in COA 1060: 'Digital Manufacturing' (2007)

Lecture in Core I Studio: 'Digital Manufacturing' (2007)

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C2. Innovative Teaching Activities

Digital Design + Build Studio with The Atlanta Beltline Inc (ABI), (2011-2013)
Collaboration between GT and ABI to conduct a digitally enabled design + build studio working in the Digital Fabrication Lab to design and construct three full-scale socially engaging interventions on the Atlanta Beltline.

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C3. Interdisciplinary Teaching

[ARCH 8803: 'Musical Architecture' \(2014\)](#)

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◆ [With Jason Freeman \(Music\), Jim Budd \(ID\), Kevin Shankwiler \(ID\), Tim Hsu \(Music\).](#)

▲ [ARCH 8803: 'BIPV Workshop' \(2013\)](#)

◆ [With Joseph Goodman \(Georgia Tech Research Institute\)](#)

▲ [ARCH 3012: 'S,M,L Solar Design Studio' \(2012\)](#)

With Joseph Goodman (Georgia Tech Research Institute), Russell Gentry (Architecture), Sheldon Jeter (Mechanical Engineering), Jeannette Yen (Biology)

▲ [ARCH 4803/8803: 'Interactive Tables' \(2008\)](#)

Cross-listed with LCC 6318/4730: 'Experimental Media & Digital Art' – Spring 2008

With Ali Mazalek [Literature, Communication, & Culture] and Claudia Winegarden [Industrial Design]

C4. [Invited Studio Critic](#)

▲ [University of Michigan – Ann Arbor, Michigan](#)

▲ [Pontifica Universidad Catolica - Santiago, Chile](#)

▲ [Universidad Tecnica Federico Santa Maria - Valparaiso, Chile](#)

▲ [Ecole Speciale d'Architecture - Paris, France](#)

▲ [Ecole Nationale Superieure d'Architecture de Paris La Villette - Paris, France](#)

▲ [University of Houston - Houston, Texas](#)

▲ [Savannah College of Art and Design - Atlanta, Georgia](#)

▲ [Southern Polytechnic State University - Marietta, Georgia](#)

▲ [University of North Carolina Charlotte - Charlotte, North Carolina](#)

C5. [Curriculum Development](#)

▲ [Development of structure for digital design+build studio with the Atlanta Beltline Inc \(2011-2012\)](#)

▲ [Development of ARCH 6505: 'Geometric Construction in Digital Space' \(2010-2012\)](#)
Contributed to the development of Digital Design and Fabrication Master of Science degree (2010-2011)

▲ [Development of ARCH 6504: 'Digital Design and Fabrication Workshop' \(2011\)](#)

▲ [Development of ARCH 7090: 'Master's Project Studio' \(2011\)](#)

▲ [Development of ARCH 7060: 'Critical Positions' \(2010\)](#)

▲ [Development of ARCH 8803: 'Advanced CNC Fabrication workshop' \(2011\)](#)

▲ [Development of ARCH 4803: 'C.U.T. – Cinema, Urbanity, + Technology' \(2008\)](#)

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▲ Development of ARCH 4803/8803: ‘Parametric Modulations in Masonry’ (2007-2010)

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▲ Development of ARCH 4853/8853: ‘Performative Feedback and Adaptive Systems’ (2008)

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▲ Development of ARCH 4803/8803: ‘Hylography’ - with Athanasios Economou (2008)

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▲ Development of ARCH 4803/8803: ‘Interactive Tables’ - with Ali Mazalek and Claudia Winegarden (2008)

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▲ Development of ARCH 4803/8803: ‘MetAtomic Architectures: Digital Fabrication and Materiality’ (2006-2008)

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VI. Service

A. Professional Contributions

[Construction Research Congress 2014](#)
[Track Chair – Architectural Design](#)
[2013-2014](#)

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[Automation in Construction Journal](#)
[Paper reviewer](#)
[2013-Present](#)

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Member of the Board of Directors
Art Papers Magazine
2008-2013

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Juror: YAF 10 Up Competition
American Institute of Architects – Atlanta Chapter
2012

Juror: High School Design Competition
American Institute of Architects – Atlanta Chapter
2011

Juror: MCAA International Masonry Awards
2007

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B. Public and Community Service

▲ [Juror: Perkins + Will Design Charette](#)
[Perkins + Will](#)
[2012](#)

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Juror: HKS Design Fellowship Charrette
HKS Architects
2012

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▲ Participant in the Hoi Thao Quoc Te Project: Conservation and validation of the traditional

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architecture of the Catu Tribe in the Nam Dong district of Vietnam
Participated as expert consultant in the area of renewable energy integration into traditional structures.
Served as design critic and juror for design charrette with 30 architectural students from the University of Hue.
Hue, Vietnam
2012

Juror: Atlanta Home Aid Project Playhouse
2007

Juror: Thompson, Ventulett, Steinbeck, and Associates design competition with Benchmark Furniture.
2007

Coordination of workshops for Celebrate Architecture Family Day
High Museum of Art
Atlanta, Georgia
2006

C. Institute Contributions

C1. Institute

CoA Dean Search Committee
Provost appointed committee to develop list of qualified candidates for the post of Dean in the College of Architecture
Committee member
2012-~~2013~~Present

Council for Educational Technology
Provost appointed committee to develop strategic plan for radical technological transformation of higher education models.
Committee member
2012-2014

Tech Arts Festival
Committee member
2012-Present

Collaboration with students of Prof. Ali Mazalek [LCC] on digital fabrication and interactive art thesis projects
2006-2007

Collaboration with students of Prof. Sara Hornbacher [LCC] on digital fabrication and interactive art thesis projects
2006-2007

C2. College of Architecture

CoA Information Technologies Strategic Plan Committee Member

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2011-Present

Digital Building Lab Member
2010 – Present

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Digital Fabrication Lab [Faculty Leadership Group Member](#)
2005-Present

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Contributing faculty member to the Solar Decathlon.
2007

Coordination and lead instructor for parametric CAD workshops in Generative Component and Digital Project.
2007

Collaboration with Prof. Gil Weinberg [Music] in the Music Department in the Fabrication of Hailey the Robotic Drummer
2006

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C3. School of Architecture

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School of Architecture - Unconventional Practice Lecture Series
Coordinator
2015-2016

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[SoA Chair Search Committee](#)
[Dean appointed committee to develop list of qualified candidates for the post of School Chair in the School of Architecture](#)
[Committee member](#)
[2014-2015](#)

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School of Architecture Lecture Series
Co-Chair
2014-2015

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[Co-coordinator of the M.Arch Design Work Exhibition for the NAAB accreditation visit.](#)
[2014](#)

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[Graduate recruiting task force – Attended University of Michigan Graduate School Fair.](#)
[2013](#)

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[Creativity and the Arts task force member](#)
[2013](#)

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Faculty search committee member for three positions – Ventulett Distinguished Chair, Professor of Practice, TVS Visiting Critic
2011-2012

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School of Architecture Lecture Series
Committee member
2011-2013

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Coordinator of the Digital Manufacturing and Technology Integration Exhibition for the NAAB accreditation visit.
2008

Graduate admissions committee member for MS Digital Design and Fabrication
2010 – 2013

Graduate admissions committee member for M.Arch, 2-Year program.
2007 – 2014

Co-Coordinator for a ROSS Focused Research Group
With Ali Mazalek, Ken Knoespel, John Peponis, Ellen Do, Elise Van der Hoven, and Matt Reynolds
2007

Developed website for the extensible documentation of digital fabrication work between the Architecture Program and the AWPL [with Lorraine Ong]
2006-2007.

Ventulett Chair Search
Committee Member
2006-2007.