

# David Christopher Matiella

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## Education

### Master of Architecture

The University of Texas at San Antonio; San Antonio, TX

Master's Project: *MicroPower H2O*

May 2008

### Bachelor of Science in Architecture

The University of Texas at San Antonio; San Antonio, TX

Minor: Art History

May 2005

## Current Position

### Lecturer

The University of Texas at San Antonio; San Antonio, TX

College of Architecture, Construction and Planning

Fall 2005 – present

### Co-Founder

Green Money Search

2016 – present

### Advocacy Committee Chair and Board of Directors

U.S. Green Building Council Texas Chapter

2008 - present

The **Advocacy Committee** focuses on Local Government municipalities, to promote and educate community green policies, resolve green building procedural roadblocks, and establish relationships with local leaders. We conduct strategic planning and logistics for USGBC Advocacy Day at the Capitol for the 83<sup>rd</sup>, 84<sup>th</sup> and 85<sup>th</sup> legislative sessions.

## Legislative achievements with USGBC Texas

### 83<sup>rd</sup> Legislative Session

- SB 198, filed by Senator Watson. Allowed members of homeowner's associations the freedom to utilize water-efficient landscaping.
  - Signed by Governor
- SB 385, filed by Senator Carona. Gave commercial building owners the ability to fund energy and water efficiency projects through property assessments.
  - Signed by Governor
- SB 700, filed by Senator Hegar. Allowed certain money in the Texas Emissions Reduction Plan to fund an energy efficiency grant program for schools.
  - Signed by Governor
- HB 227, filed by Representative Larson. Included funding for water conservation, re-use and education as a part of 2012 State Water Plan
  - Signed by Governor
- **HR 1617 – Rep. Mark Strama**
  - Resolution to recognize USGBC Texas and our commitment to sustainability and green building

#### 84<sup>th</sup> Legislative Session

- HB 1184, filed by Representative Paddie. Authorized utility cost savings and alternative fuel programs.
  - Signed by Governor
- HB 1736, filed by Representative Villalba. Adopted IECC 2015 energy code for residential and commercial buildings.
  - Signed by Governor
- HB 1902, filed by Representative Howard. Contributed to the regulation and expansion of permissible greywater use.
  - Signed by Governor

#### 85<sup>th</sup> Legislative Session

- **HR 2090 – Chairman J.M. Lozano**
  - Resolution in Support of Green Schools
- Formation of the Green Schools Caucus – Chairman J.M. Lozano
  - Recognized by Speaker
- SB 59 – Sen Zaffirini
  - Energy and Water Management Planning
  - Signed by Governor
- HB 1571 – Rep. Paddie
  - Energy Savings Performance Contracts
  - Signed by Governor

#### **Architectural and Professional Experience:**

Sanford Brown College San Antonio	2013 - 2016
• Lead Instructor – Building Information Modeling	
McChesney / Bianco Architecture	2012 - 2013
• Production and Project Management	
Marmon Mok Architecture	2008 – 2012
• Production and Project Management	
Alamo Architects	2007 – 2008
• Production and Project Management	
Lopez-Salas Architecture	2005 – 2007
• Production and Project Management	

#### **Professional Memberships:**

- AIA, American Institute of Architects - Associate Member
- AIASA COTE Committee, Council on the Environment: Past Member
- U.S. Green Building Council Texas Chapter: LEED GA
- EDAC - Evidence-based Design Accreditation and Certification
- HCP: Health Care Partnership San Antonio

#### **Research Interests**

Sustainability and public policy

#### **Awards and Honors:**

- Fulbright-Hays Scholar: East Africa Study - Kansas State – 2005
- 2009 Class of 2PLP – Professional Practice and Leadership Program
- 2005 Alpha Rho Chi Medal for Leadership, Service, and Merit
- 2005 University Life Award for Most Outstanding Architecture Student
- 2005 Texas Architectural Foundation Scholarship
- 2005 Rinaldo J. Gonzalez & Alicia C. Trevino Endowed Scholarship

## **Courses taught**

### **Design I**

Introduction to design through a focus on design literacy and the creative conceptualization of issues fundamental to the design of human environments. Emphasis on the realization and experience of architectural ideas in materials.

### **Design II – ARC 1223**

Introduction to design as a broadly creative process based on consideration of spatial experience, context, program, building form, representation, and design communication.

### **Visual Communications**

Introductory exploration of graphic processes and techniques utilized in the design and construction of the built environment for the representation, visualization, analysis, and presentation of the designed environment.

### **Design IV – ARC 2126**

Architectural design with increasing emphasis on development of design processes and concepts. Projects are of greater complexity with consideration given to historical precedents, urban contextual response, architectural theory, and architectural order, structure and detailing. Introduction to the role of fire and life safety concerns, building codes, ADA accessibility, and zoning regulations as design criteria. Continues investigation of traditional and digital media.

### **Principals of Environmental Systems – ARC 2233**

Introduction to the design of environmentally responsive buildings and the natural and artificial systems that support them. Includes consideration of topics such as, embodied energy, active and passive heating and cooling, indoor air quality, solar orientation, daylighting and artificial illumination, acoustics, and building services systems.

### **Building Design Studio – ARC 4156**

Architectural design with emphasis on building technology, materials, assemblies, tectonics, structure, environmental systems, and the inter-relationship of building and environment.

### **Introduction to the Built Environment (IBE) – ARC 1113**

An introduction to the design and construction of the built environment. Includes consideration of professional practice, ethics, interior design, landscape architecture, planning, urbanism and construction.

### **Course Redesign – Summer 2015**

### **Academic Inquiry and Scholarship – AIS 1203**

A general survey of scholarship practiced within three broad cultures of inquiry: the Humanities, Social Sciences and Natural Sciences. Through a cross-disciplinary framework, this course explores the diverse ideas, values, and practices used by various disciplines to investigate and organize their subject matter and create knowledge. Students will consider and compare the assumptions, methods, ethics, and impact of inquiry and scholarship within these three broad cultures of inquiry. Students will examine, compare, and contrast the intellectual endeavors that influence society and human experience.

### **Course Redesign – Pathway committees – Spring 2017**

### **Introduction to Sustainability – ES 4153**

This course examines the major economic, social, and environmental issues and trends happening in modern society from a scientific and practical perspective, including biodiversity, population, urbanism, food and water resources, climate change, energy, public health, and the overall forecast for the environment, both built and natural, for the next several decades.

### **Urban Environmental Planning and Sustainability – ES 6973**

This course examines how the concept of sustainable development applies to buildings, cities, and urban regions and gives students insight into a variety of contemporary urban planning and green building issues through the lens of sustainability. Ways to coordinate goals of environmental, economic, and social equity at different scales of planning are addressed, including the region, the city the neighborhood, the site and buildings.

### Oral Presentations:

- Matiella, David (2005 + 2006). "The Investigation of Gaudi's Visionary Structural Theory and Intent and its Relation to the System of Tensegrity" - Presented at the **Southeast Society of Architectural Historians** Annual Conference in Fort Worth and the **UTSA College of Architecture Research symposium – COARS**

### Grant Writing:

- 2012 USGBC National Advocacy Grant \$5,000

### Volunteer Work

- Saint Elizabeth Ann Seaton Catholic Church (SEAS) – CYO Board of Directors
  - Past: Vice President
  - Current: CYO SEAS Registrar
- SEAS CYO Coach – baseball, softball, soccer, volleyball, swimming - current
- Two Creeks Neighborhood Swim Team volunteer coach - current
- ACE Program at Roosevelt High School – 2008-2010
  - ACE is a national volunteer program to introduce high school students to the Architecture, Construction, and Engineering professions
- Walzem Road Business District Revitalization Plan – Chair of Development and Design Task Force + Planning Team - 2011 - present
- Midtown Brackenridge TIRZ Master plan – Planning Team representing Mahncke Park neighborhood - 2010
- Guadalupe Westside Community Plan – Community Participant - 2007
- Contributing writer to the "Build San Antonio" space of the San Antonio Express News

### Service Activities

#### Department Service

2015 – Spring 2017 Department of Architecture Strategic Planning Committee  
The Department Strategic Planning Committee was charged with creating a Strategic Plan for the Department of Architecture. The committee was brought to order by Vince Canizaro and formally disbanded by him on March 23<sup>rd</sup> of 2017.

2016 – Present Curriculum Sub-Committee

The Curriculum Sub-Committees exist to provide guidance, review, catalog revisions, and continual assessment of the curricula particular to each content area, in dialog with other content areas, and with respect to upholding standards and quality of work in each undergraduate degree program within the department. Sub-committee topics are determined by the Department Chair as needed depending on curriculum developments; such as the following: First year Studio, Second year Studio, 3<sup>rd</sup> and 4<sup>th</sup> Year Studios; Technology; History; Theory; Digital Technology; Interior Design; Study Abroad, Historic Preservation, etc.

2015 – Present Studio Culture sub-Committee

This committee was formed to develop Architecture department's Studio Culture document.

2015 - 2016 Department Annual Review Committee

This committee's duty was to review faculty annual review material and report its findings to the Department Chair.

#### College Service

2015 - 2016 Dean's Faculty Advisory Committee

Charge of the committee

The committee was brought to order by Vince Canizaro and formally disbanded by him on March 23<sup>rd</sup> of 2017.

2017

Playhouse Competition

This was a CACP design-build competition completed in cooperation with students from Architecture, Interior Design and Construction Science departments. Projects were student-led, designed and built.

**University Service**

2016 – Present

AIS Pathway Committee – CACP and College of Science

This committee was charged with the redesign of the AIS course into an Academic Pathway model. I served on two committees in this capacity, one for the CACP and the other for the College of Science

2016 – Present

American Institute of Architecture Students - Faculty Advisor

2016 – Present

U.S. Green Building Council at UTSA Student Chapter – Faculty Advisor