

S h e l l e y D . H o l l i d a y

Executive Associate Department Head, Architecture
Associate Professor of Practice
Department of Architecture
College of Architecture
Texas A&M University
3137 TAMU
College Station, TX 77843-3137
Phone 979. 845. 7885
Email sholliday@tamu.edu

Teaching Interest

Area of teaching is Structural Engineering. Interest includes structural steel, bridging the architecture/engineering gap, conceptual structural engineering theory, history of building technology, and interdisciplinary design.

Education Interest

Architectural Education and the various pedagogy of studio/lecture courses for a pre-professional and professional degree program. Introduction of a K-12 initiative for the advancement of Architectural Education

Research Interest

Research interest in structural steel moment connections (reduced beam section theory), earthquake design, and the integration of architecture/engineering collaboration in the classroom/studio.

Education

2001 M.E. Master of Engineering in Civil Engineering, Texas A&M University

1989 B.S.A.S. (Bachelor of Science in Architectural Studies) College of Architecture,
University of Nebraska

Teaching/Research Experience

Jan 2020 - Present Associate Dean for Academic Affairs, College of Architecture Texas A&M
University, College Station, Texas

2018-Jan 2020 Executive Associate Department Head, Architecture Texas A&M
University, College Station, Texas

2014-2018 Associate Department Head Undergraduate Studies, Architecture Texas A&M
University, College Station, Texas

2014-Present Associate Professor of Practice, Department of Architecture, Texas A&M University,
College Station, Texas

2011-2014 Senior Lecturer, Department of Architecture, Texas A&M University,
College Station, Texas

2004-2011 Lecturer, Department of Architecture, Texas A&M University,
College Station, Texas

2001-2004 Assistant Lecturer, Department of Architecture, Texas A&M University,
College Station, Texas

2000-2001 Graduate Assistant Lecturer Department of Architecture Texas A&M University,
College Station, Texas

1996-1999 Research Lab Assistant, College of Engineering,
Division of Constructed Facilities Texas A&M University, College Station, Texas

Honors, Awards & Special Recognition

2015 Texas A&M University Department of Architecture Undergraduate Faculty Award

2015 Guest Coach for Texas A&M University Women's Basketball

2014 Nominated for the Presidential Professor of Teaching Excellence

2013 The Association of Former Students Texas A&M University Distinguished
Achievement Award – University Level

2012 The Association of Former Students Texas A&M University Distinguished
Achievement Award - College Level

2012 Texas A&M University Department of Architecture Undergraduate Faculty Award

2012 Nominated for the Association of Former Students Texas A&M University Distinguished
Achievement Award for Teaching

2001 IABSE (International Association for Bridge and Structural Engineering)
Outstanding Structure Award. Guggenheim Museum, Bilbao, Spain

1999 AIA - Chicago Chapter. Distinguished Building Award
Hong Kong Convention and Exhibition Centre Expansion, Hong Kong

1999 Structural Engineers Association of Illinois Best Structure Award: Finalist
Hong Kong Convention and Exhibition Centre Expansion, Hong Kong

1999 The Waterfront Center Honor Award: Mixed-Use/Commercial Category
Hong Kong Convention and Exhibition Centre Expansion, Hong Kong

1998 AIA - Chicago Chapter. Distinguished Building Award.
Chicago Symphony Center - Orchestra Hall Renovation, Chicago.

1998 Building Design & Construction. Building Team Project of the Year Award: Merit
Award. Chicago Symphony Center - Orchestra Hall Renovation, Chicago.

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Chicago Symphony Center - Orchestra Hall Renovation, Chicago.

1998 AIA National Honor Award for Interior Architecture.
Civic Opera House Renovation, Chicago.

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Civic Opera House Renovation, Chicago.

1997 AIA - Chicago Chapter. Honor Award. Ravinia Festival Master Plan

1996 ASHRAE - Illinois Chapter. Excellence in Engineering.
Chicago Symphony Center - Orchestra Hall Renovation, Chicago.

Teaching Activities

ENDS 231 – Structures I

Introduction to the physical principles that govern classical statistics and strengths of materials through the design of timber and steel components of architectural structures; computer applications.

ARCH 327 - Conceptual Structural Analysis

New re-established class - spring only class - S'10-S'15

A non-mathematical investigation of structural systems and components with respect to behavior; selection of the most appropriate structural system for various building typologies.

ARCH 330 - The Making of Architecture

Co-taught course- spring only class - S'12

Study of significant works of contemporary architecture and materials and strategies used in their making; focus on innovative materials, systems, and partnerships necessary to realize the design.

ARCH 345 – History of Building Technology

Spring only class – S'13-S'17

Chronological development of civilization and building technology from prehistoric cultures to present; classic and modern materials, structural devices past and present, machine-produced products, prefabrication, construction methodology and servicing.

ARCH 431 – Structures II

Spring and Fall S'00-S'10

Analysis and design of structural members in wood, steel and concrete and their relation to building design.

ARCH 431 – Integrated Structures

New Course Development - Fall only class - F'09-F'16

Selection and economics of structural systems in the context of integrating structural systems into a building through good design; analysis and design of wood, steel, concrete, and composite systems and members in relation to building design. Concurrent enrollment in ARCH 405 and ARCH 435.

ARCH 606 – Architectural Design II

Spring only class – structural consulting for 3-4 sections – S'11-S'17

Application of verbal, graphic, research, critical thinking and fundamental design skills to architectural projects that emphasize the integration of structural, environmental, life safety, building envelope systems, and building service systems; includes code compliance, resource conservation, cost control and economic analysis. Core design studio for professional degree candidates. Prerequisite: ARCH 605.

ARCH 612 – Structural and Environmental Technology Concepts

Fall only class F'08-F'16

An introductory course which is intended to quickly and broadly develop the vocabulary base, visual understanding and familiarity with technological systems that architects deal with throughout their practice.

ARCH 631 – Structures III

Structural analysis of building structural systems: components, frames, shapes; selection and economics of structural systems; survey of current structural design codes; supervision practices in structural construction.

Master of Architecture Committees

Heather White (MAR in ARCH) Member
Graduation: May 2020

Nicole O'Donnell (MAR in ARCH) Member
Graduation: May 2020

Hayley Field (MAR in ARCH) Member
Graduation: May 2020

Joshua McMahan (MAR in ARCH) Member
Graduation: May 2020

Meggan Lytle (MAR in ARCH) Member
Graduation: May 2020

Miranda Gilcrease (MAR in ARCH) Member
Graduation: May 2020

Zhengying Chen (MAR in ARCH) Member
Graduation: May 2019

Jose Reyes (MAR in ARCH) Member
Graduation: May 2019

Madison Bennett (MAR in ARCH) Member
Graduation: May 2019

Kasie Duhon (MAR in ARCH) Member
Graduation: May 2019

Colin Buckley (MAR in ARCH) Member
Graduation: May 2019

Jace Bentle (MAR in ARCH) Member
Graduation: May 2019

Brittany Oliver (MAR in ARCH) Member
Graduation: May 2018

Jason Teal (MAR in ARCH) Member
Graduation: May 2018

Emily Cloat (MAR in ARCH) Member
Graduation: May 2018

Madison Van Pelt (MAR in ARCH) Member
Graduation: May 2018

Hillary Brown (MAR in ARCH) Member
Graduation: May 2018

Adrian Silvas (MAR in ARCH) Member
Graduation: May 2018

Garrett Barker (MAR in ARCH) Member
"The Architecture of Branding"
Graduation: May 2017

Meredith Clark (MAR in ARCH) Member
"Double Barrel Brewhouse"
Graduation: May 2017

Andrew Gazda (MAR in ARCH) Member
"Gap to Gateway"
Graduation: May 2017

Brian Lopez (MAR in ARCH) Member
Graduation: May 2017

Jason Permenter (MLP in LPDV) Member
Graduation: May 2017

Justin Hoermann (MAR in ARCH) Member
Graduation: May 2016

Junfei Chen (MAR in ARCH) Member
Graduation: May 2016

Eric Stafford (MAR in ARCH) Member
Graduation: May 2016

Victoria Adams (MAR in ARCH) Member
Graduation: May 2016

Ryan Littman (MAR in ARCH) Member
Graduation: May 2016

Nathan Brandt (MAR in ARCH) Member
Graduation: May 2016

Karl Mitchell Dickinson (MAR in ARCH) Co-Chair
"Congestion to Connection"
Graduation: May 2015

Navaneeth Latha Ramakrishnaiah (MS in COMG) Committee Member
"Recycled Ceramic Tile Waste as a Coarse Aggregate in Concrete"
Graduation: May 2015

Bi Xiaoxi (MAR in ARCH) Committee Member
"Culture Center"
Graduation: May 2014

Make Liang (MAR in ARCH) Committee Member
"Austin Music Factory"
Graduation: May 2014

Rafael Vasquez (MAR in ARCH) Committee Member
"South Town Forum"
Graduation: May 2014

Jianyi Li (MAR in ARCH) Committee Member
"Comprehensive Transportation"
Graduation: May 2014

Miray Oktem (MAR in ARCH) Committee Member
"Urban Catalyst"
August 2014

Avi B. Patel (MAR in ARCH) Committee Member
"Urban-Ark"
Graduation: May 2014

Timothy J. Wofford (MAR in ARCH) Committee Member
"Mechanizing Craft"
Graduation: May 2014

Robert Bradley Piper (MS in COMG) Committee Member
"Reverse Auction Bidding: A Study of Industry Professionals"
Graduation: December 2013

Chris Dilworth (MAR in ARCH) Committee Member
"Fitness and the Built Environment"
Graduation: May 2013

Crystal Dyll (MAR in ARCH) Committee Member
"Core of Discovery"
Graduation: May 2013

Elizabeth Miller (MAR in ARCH) Committee Member
"Re-Thinking Ornament"
Graduation: May 2012

Dayna Finley (MAR in ARCH) Committee Member
"Eco-Tourism in Everglades"
Graduation: May 2012

Bradley B. McCarroll (MAR in ARCH) Committee Member
"Railway Hotel"
Expected Completion Date: May 2012

Mark Willingham (MAR in ARCH) Committee Member
"Langford Design"
Graduation: May 2012

Peri E. Arthur (MAR in ARCH) Committee Member
"Downtown Winery Resort"
Graduation: May 2012

Heather Lynn Davis (MAR in ARCH) - Committee Member
"Urban Infrastructure" or "Urban Bridge"
Graduation: May 2011

Crystal A. Gore (MAR in ARCH) - Committee Member
"Sustainable Boutique Hotel" or "Resorting to Green"
Graduation: May 2011

Hector M. Ochoa (MAR in ARCH) - Committee Member
"Agriburbia Community"
Graduation: May 2011

Anjali Venkataiah (MAR in ARCH) - Committee Member
"Multimodal Transportation Hub"
Graduation: May 2011

Nicholas John Thorn (MAR in ARCH) - Committee Member
"Vibrant Senior Living: High-Rise Tower for Independent Living in an Urban Context"
Graduation - May 2010

Craig Lee Jeffery (MAR in ARCH) - Committee Member
"Elementary School #15 for Baytown, TX"
Graduation - May 2010

Ryan Richard Collier (MAR in ARCH) - Committee Member
"Asemic & the real (modern skyscraper) (Fall 2009)"
Graduation May 2010

Swapnil Jayant Chaudhari (MS in COMG) - Committee Member
"Comparative Analysis of Balanced and Unbalanced Bond Wrench Test"
Expected Completion Date: May 2011

Chinmay Dhananjay Abhyankar (MS in COMG) - Committee Member
Expected Completion Date: May 2011

Jatin Yadav Singala (MS in COMG) - Committee Member
"Sensitivity Analysis of Bricks Using Bond Wrench Apparatus"
Expected Completion Date: May 2011

Vikram Chandrakant Pujari (MS in COMG) - Committee Member

"An Analysis of Crane Accidents & Injuries in the Construction Industry"
Graduation December 2009

Service

University Service

Student Course Evaluation Taskforce Committee, 2018-present

Transformational Teaching and Learning Conference Committee, 2017-2018

M&W Maroon & White Leadership Program, Leadership Coach 2017-Present

Faculty Senate Fall 2010 - Present

Faculty Senate Core Curriculum Council Fall 2012 – Present

Faculty Senate Workplace Climate and Diversity Committee Fall 2010 – Fall 2013

Faculty Senate Committee of Committees Fall 2010 - Present

Faculty Senate Planning Committee Fall 2010 – Fall 2012

Association of Former Students Distinguished Achievement Award Selection Committee Member –
Spring 2017

Center for Teaching Excellence Faculty and Student Advisory Board Fall 2013 – Present

Honors and Undergraduate Research Advisory Committee Fall 2014 - Present

Search Committee for Director of Center for Teaching Excellence – Spring 2014

Honors Council Fall 2010 - Fall 2012

College Service

Associate Dean for Academic Affairs January 2020- Present

Committee Architectural Engineering Investigation Spring 2014 – Present

Committee comprised of members from College of Architecture and College of
Engineering

Investigation of path forward for a degree and minor in Architecture Engineering

CAAAC College of Architecture Academic Affairs Committee, Fall 2014- Present

Department Service

Executive Associate Department Head, Architecture Fall 2018 – January 2020

Associate Department Head Undergraduate Studies, Architecture Fall 2014 – Fall 2018

Department of Architecture Academic Affairs Committee Fall 2012 - Present

Scholarship Committee, Texas A&M University Spring 2013 - Present
Review applications and portfolios in order to award departmental scholarship

Faculty Search Committee, Texas A&M University 2013 - Present Academic year
Review applications/portfolios and put forth recommendations for new faculty positions

Department Grade Appeals Committee, Texas A&M University
Committee Chair Fall 2010 - Present

Technical Caucus Committee, Texas A&M University 2006 - Present (Chair 2010 - 2015)
Development of Integrated Studio Fall 2008-Present
Review of 120 Credit Hours Technical Courses Spring/Fall 2008
Accreditation Reviews for Technical Courses

Various Guest Lectures in Various Studios, Texas A&M University
Structural Principles with Respect to Architectural Design
Bridge Design and Structural Principles

Various Structural Consultations in Various Studios, Texas A&M University
Come into design studio in order to consult structurally for student design projects

Michael O'Brien Studio	Weiling He Studio
Marcel Erminy Studio	Frances Downing Studio
Gerald Maffei Studio	Rodney Hill Studio
Gabriel Esquivel Studio	Ray Holliday Studio
Sarah Deyong Studio	Anat Geva Studio
Susan Rodiek Studio	Stephen Caffey

Various lecturers/speakers

Dennis Wittry, P.E., S.E. Principal
Managing Director of Houston Structural Engineering Services of
Walter P. Moore and Associates, Inc..

Other Service

Judge

2011 AISC/ASCE National Student Steel Bridge Competition

Research

Research Group with Dr. Gary Fry (Civil Engineering) Spring 2013- Present
Attend research meetings with Dr. Gary Fry's undergraduate, graduate, and PhD research students. Listen to research presentations and give input into the various ongoing research projects

The Dog-Bone research project with Texas A&M University and University of Texas
Research Project for Master of Engineering

Integration of Structures/Architecture Collaboration in the Classroom
Professional Paper for Master of Engineering

Publications

Co-authored

Nichols, Anne and Holliday, Shelley. "From Foundations to Integration in Structures: A Response to Curriculum Consolidation," *Convergence + Confluence: Conference Preceedings 2011 The Building Educator's Society*. 2011.

Contributed to the research and publication of:

Jones, S.L., Fry, G.T. and Engelhardt, M.D., "Experimental Evaluation of Cyclically Loaded Reduced Beam Section Moment Connections," *Journal of Structural Engineering*, ASCE, Vol. 128, No. 4, pp 441-451, April 2002.

Contributed to project through Skidmore, Owings, & Merrill, LLP published:

McManamy, Rob. "Careful Orchestration Guides Symphony Hall's Rebirth." ENR: Engineering News-Record 8 September 1997: 70-72

Presentations

Spring 2015 The Faculty Teaching Academy; Center for Teaching Excellence
"Demonstration as a Teaching Strategy,"

Spring 2013 Reviewer for CVEN capstone class

August 2011 The Building Technology Educators' Society, Toronto, ON.
" From Foundations to Integration in Structures:
A Response to Curriculum Consolidation,"

Professional Experience

1994-1996 Structural Engineer Skidmore, Owings, and Merrill, LLP Chicago, Illinois

Projects:

Chicago Symphony Center - Orchestra Hall Renovation, Chicago

Completion Date: 1998 Project Area: 350,000 ft²

Originally design by Daniel Burnham, SOM acoustically reshaped the auditorium.

New construction for back-of-house areas and a new 8-story artistic support wing

Renovated adjacent Chapin & Gore building for offices, cafe, and music education center.

Contribution: Preliminary design through construction documents.

Civic Opera House Renovation, Chicago

Completion Date: 1996 Project Area: 345,000 ft²

SOM's renovation of the 1929 Civic Opera Building
Reinforced the structural integrity of the tower with removal of multi-story
columns with the creation of the new floor levels
Contribution: Technical coordination and design

Ravinia Festival Master Plan, Highland Park, Illinois
Completion Year: 1995 Site Area: 36 acres
Master Plan and design the 36-acre Ravinia Summer Music Festival grounds.
Contribution: Design development. Technical Coordination.

Hong Kong Convention and Exhibition Centre Expansion, Hong Kong
Completion Year: 1997 Roof Area: 6 acres
Expansion of the existing center with a roof area of six acres,
and a 100 meter span bridge to the existing center
Contribution: Organization of drawings and technical coordination

Guggenheim Museum, Bilbao, Spain
Completion Year: 1997 Project Area: 265,000 ft²
In collaboration with Frank Gehry as the architect and SOM providing the
structural design.
Contribution: Organization of drawings and technical coordination

Riverport Center, St. Louis, Missouri:
Completion Year: 1997 Project Area: 350,000 ft²
Structural design for the land-based components of a riverboat casino complex
including entertainment facilities, a 300-room hotel development, a 1,500 car
parking garage, and surrounding site improvements
Contribution: Design Development through construction documents.

Memberships

American Institute of Architects – Member – Spring 2018 - Present

American Society of Civil Engineering - Past Member 1996-2000, 1990-1992

American Institute of Steel Construction - Current Educator Member 2010-Present

Structural Engineering Association of Texas - Current Educator Member 2010-Present
Past Member 1996-2000 - Past Student Chapter President

Academic and Professional Honors

2015 Texas A&M University Department of Architecture Undergraduate Faculty Award

2014 Nominated for the Presidential Professor of Teaching Excellence

2013 The Association of Former Students Texas A&M University Distinguished
Achievement Award – University Level

2012 The Association of Former Students Texas A&M University Distinguished

Achievement Award - College Level

2012 Texas A&M University Department of Architecture Undergraduate Faculty Award

2012 Nominated for the Association of Former Students Texas A&M University
Distinguished Achievement Award for Teaching

Top 10 List of Student Evaluations - Department of Architecture (F'09-S'10)

2001 IABSE (International Association for Bridge and Structural Engineering)
Outstanding Structure Award. Guggenheim Museum, Bilbao, Spain

1999 AIA - Chicago Chapter. Distinguished Building Award
Hong Kong Convention and Exhibition Centre Expansion, Hong Kong

1999 Structural Engineers Association of Illinois Best Structure Award: Finalist
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Civic Opera House Renovation, Chicago.

1997 AIA - Chicago Chapter. Distinguished Building Award.
Civic Opera House Renovation, Chicago.

1997 AIA - Chicago Chapter. Honor Award. Ravinia Festival Master Plan

1996 ASHRAE - Illinois Chapter. Excellence in Engineering.
Chicago Symphony Center - Orchestra Hall Renovation, Chicago.

Chi Epsilon - Civil Engineering Honor Society March 1992 - Present

President - Structural Engineers Association of Texas (SEAoT) - Student Chapter

Special Student Scholarship for the Pursuit of a Structural Engineering Career
by the Structural Engineers Association of Texas February 1998

Research Assistantships - Graduate

Dean's List - Undergraduate

Scholarships - Undergraduate/Graduate