

Mate Thitisawat

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College for Design and Social Inquiry
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EDUCATION

- Post-professional **Master of Science**, Georgia Institute of Technology, 1998
- Professional **Bachelor of Architecture** (Council of Thai Architects-Accredited), Chulalongkorn University, Bangkok, Thailand, 1996

PROFESSIONAL AFFILIATIONS

- Licensed Architect, Council of Thai Architects (**CTA**)
- Association of Siamese Architects (**ASA**)
- The US Regional Affiliate of the International Building Performance Simulation Association (**IBPSA-USA**)
- Society of Building Science Educators (**SBSE**)
- Building Technology Educators' Society (**BTES**)

RESEARCH AND CREATIVE ACTIVITY (at FAU)

- Proceedings (double blind peer-reviewed)
 - Thitisawat, M., Polakit, K., Caldieron, J.M., and Mangone, G. (2011), Adaptive Outdoor Comfort Model Calibrations for a Semitropical Region, *Proceedings of 27th International Conference on Passive and Low Energy Architecture*, July 13-15, 2011, Louvain-la-Neuve, Belgium.
 - Caldieron, J.M., Thitisawat, M., Polakit, K., and Mangone, G. (2011), Statistical Model Evaluation and Calibrations for Outdoor Comfort Assessment in South Florida, *Proceedings of 27th International Conference on Passive and Low Energy Architecture*, July 13-15, 2011, Louvain-la-Neuve, Belgium.
 - Thitisawat, M., Polakit, K., Caldieron, J.M., and Mangone, G. (2011), Physical and Statistical Assessment of Outdoor Comfort for South Florida Region, *Proceedings of Subtropical Cities 2011: Subtropical Urbanism beyond Climate Change*, March 8-11, 2011, Fort Lauderdale, Florida.
 - Caldieron, J.M., and Thitisawat, M. (2011), Influence of Climate in the Improvement of Selected Informal Settlements in Tropical and Subtropical Cities, *Proceedings of Subtropical Cities 2011: Subtropical Urbanism beyond Climate Change*, March 8-11, 2011, Fort Lauderdale, Florida.
 - Caldieron, J.M., and Thitisawat, M. (2010), Design interventions for La Perla informal neighborhood, San Juan, Puerto Rico, *Proceedings of the 4th International Conference on Built Environment in Developing Countries*, December, 2010 Penang, Malaysia.
 - Thitisawat, M., Lyn, F., and Machado, L. (2008), Revealing Skin: Visualization Informed Façade Design for the Tropics, *Proceedings of Association of Collegiate Schools of Architecture (ACSA) Annual Meeting*, March 27-30, 2008, Houston, Texas.
 - Thitisawat, M., Lyn, F., and Moore, S. (2007), Making Sense: A Passive Response to Modern Living in South Florida, *Proceedings of the 24th Conference on Passive and Low Energy Architecture (PLEA)*, November 22-24, 2007, Singapore.

- Rashid, M., Craig, D., Zimring, C., and Thitisawat, M. (2006), Sedentary and Fleeting Activities and Their Spatial Correlates in Offices, Proceedings of the Environmental Design Research Association (EDRA) 37th Conference, Atlanta, Georgia, May 03-07, 2006.
 - Park, C.S., Augenbroe, G., and Thitisawat, M. (2005), Integrated Control Strategies for Double Skin Systems, Proceedings of the 9th International International Building Performance Simulation Association (IBPSA) Conference, August 15-18, 2005.
- International Design Competition Awards
 - Primary Designer: Bahamas Design Challenge (1st round, blind peer-reviewed), 4th prize winner, 2008
 - Primary Designer: Bahamas Design Challenge (2nd round, blind peer-reviewed), 4th prize winner (a different proposal), 2009
- Contracts or Grants Received
 - Co-investigator, 2010 Architectural Research Centers Consortium (ARCC) Incentive Fund, Synergy for the Integration of the Informal Settlement of La Perla with the Historic City of San Juan, Puerto Rico, \$2,400
 - Principal investigator, 2008 ARCC Incentive Fund, Designing for Outdoor Comfort in a Subtropical Environment: Assessment and Criteria for Outdoor Comfort, 1st prize, \$7,350
- Book Chapters (ongoing)
 - Thitisawat, M., Physical and Statistical Assessment of Outdoor Comfort for South Florida Region (selected to be included in a proposed book to Springer by Subtropical Cities Conference)
 - Caldieron, J.M., Sacristan, R., and Thitisawat, M. Puerto Rican Culture and Ethnicity in the Community Gardens and “Casitas” of New York City, Race in Urban Communities
- Presentations
 - Thitisawat, M., Form Follows Performance(s), 2008-2009 FAU School of Architecture Lecture Series, Fort Lauderdale, Florida, February, 20, 2009.
 - Thitisawat, M., Building Integrated Solar Technologies, Lecture, Solar Symposium, Fort Lauderdale, Florida, March 22, 2006.

TEACHING EXPERIENCE

- Associate Professor
School of Architecture, Florida Atlantic University, Fort Lauderdale, USA, 2012-present
- Assistant Professor
School of Architecture, Florida Atlantic University, Fort Lauderdale, USA, 2005-2012
- Graduate Teaching Assistant
College of Architecture, Georgia Institute of Technology, Georgia, USA, 1998-2002

INSTRUCTIONAL ACTIVITIES

Courses Taught:

- Environmental Technology 1 (Upper Division, core curriculum), redeveloped
- Environmental Technology 2 (Upper Division, core curriculum), redeveloped
- Architectural Design 1 (Lower Division, core curriculum), redeveloped
- Architectural Design 5 (Upper Division, core curriculum), redeveloped
- Architectural Design 6 (Upper Division, core curriculum), redeveloped
- Vertical Studio (Upper Division, core curriculum), redeveloped
- Architectural Design 8 (Upper Division, core curriculum)
- Architectural Design Techniques (Upper Division, core curriculum), redeveloped
- Architectural Structures 1 (Lower Division, core curriculum), developed
- Research Director for Directed Independent Study:

- Sustainable Building and Architectural Design
- Design Studio Daylighting Analysis
Advanced Daylighting Simulation
- Design Competition: Construction Association Design Challenge: Montrose Harbor Beach House Amphitheatre, organized by Metal Construction Association, 2006
- Sustainable Hospital Design
- Design Competition: Re:Vision Dallas, organized by the Central Dallas Community Development Corporation (CDC)
- Vegetation Study for Downtown Fort Lauderdale
- Outdoor Comfort Study for South Florida
- Performative Parametric Design of Solar Responsive Screens

SERVICE ACTIVITIES

Professional

- Paper reviewer
 - Subtropical Cities 2011: Subtropical Urbanism beyond Climate Change, 2011
 - International Conference on Engineering and Meta-Engineering (ICEME), 2010
- Invited juror
 - University of Miami, 2011
 - Florida International University, 2006 and 2007
 - Broward Community College, 2007

University

- Member, Diversity Committee, 2009-2011

College

- School Chair, Research Committee, 2007-present

School

- Member, International Committee, 2011-present
- Coordinator, Junior Phase, 2011
- Member, International Program Committee, 2011-present
- Coordinator, US Green Building Council Students, 2011-present
- Member, Search Committee, 2010
- Developer, Study Abroad Program to Thailand (Chulalongkorn University and Naresuan University) and Australia (Queensland University of Technology), 2009
- Coordinator, Exchange Program with International Program in Design and Architecture at Chulalongkorn University, 2009
- Co-Chair, Search Committee, 2008
- Liaison, Lower division library, 2008-present
- Organizer, School Exhibition, 2008
- Member, Academic Curriculum (undergraduate), 2007-2009
- Member, Search Committee, 2007
- Member, Master of Science program development Committee, 2006-present
- Coordinator, Junior Phase, 2006-2009
- Member, Curriculum Committee (participating as a junior-phase coordinator)

Community

- Member, Sustainability Advisory Board serving the City of Fort Lauderdale, 2013
- Instructor, La Perla community market project, San Juan, Puerto Rico (Architectural Design 6), students designing a community market for the City of San Juan, 2010
- Instructor, mobile shelter project for the homeless (Architectural Design 6), students designing mobile shelters that were donated to Cooperative Feeding Program, 2010

- Instructor, solar powered hot shower facility project for the homeless (Environmental Technology 2), students designing the Facility for Cooperative Feeding Program, a non-profit organization, 2009
- Instructor, solar powered hot shower facility project for the homeless (Environmental Technology 2), students designing the Facility for Cooperative Feeding Program, a non-profit organization, 2008
- Faculty Member, Thai Student Association (TSA), 2005-2007

Ph.D. PROGRESS

- **Ph.D. Candidate**, All but dissertation, Proposal: Techno-economic Optimization of Smart Double-skin Façade Systems, College of Architecture, Georgia Institute of Technology, 1999-present

PROFESSIONAL EXPERIENCE

- HVAC system sizing for Ellis House in the Bahamas, 2005
- Architect 88, Intern Architect, Bangkok, Thailand, 1994