

Ar. SAIFUL ISLAM, Ph.D.

Flat-A3, House-29, Road-16, Sector-3, Uttara, Dhaka-1230,
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Education

- Texas A&M University, College Station, TX** 2011
Doctor of Philosophy (Ph.D.) in Architecture
Dissertation: A Study on Zoning Regulations' Impact on Thermal Comfort
Conditions in Non-Conditioned Apartment Buildings in Dhaka City.
Advisor: Dr. Phillip J. Tabb
- University of Texas at San Antonio, San Antonio, TX** 2005
Masters of Architecture (M.Arch.)
Final project: Sustainable Architecture for Slum Dwellers in Karail Slum,
Dhaka, Bangladesh.
Advisor: Dr. Vincent Canizaro
- Ahsanullah University of Science & Technology, Dhaka, Bangladesh** 2000
Bachelors of Architecture (B.Arch.)

Academic Experience

- North South University, Dhaka, Bangladesh**
Professor November 2023 - present
Chairman, Department of Architecture January 2016 – May 2017
Assistant Professor September 2012 – March 2018
- Ahsanullah University of Science & Technology, Dhaka, Bangladesh**
Assistant Professor May 2012 – Sep. 2012
- Texas A&M University, College Station, TX, USA**
Full-time Visiting Lecturer Spring 2012
Part-time Instructor Fall 2006 - Spring 2011
- North South University, Dhaka, Bangladesh**
Visiting Lecturer Summer 2009
- University of Texas at San Antonio, San Antonio, TX, USA**
Adjunct Faculty 2003 - 2005
- Exterior-Interior (P) Ltd. Dhaka, Bangladesh**
Lecturer 2002 - 2003

Research

Journal Publication

Saiful Islam & Chamila Subasinghe, (August 2022) DENIED DELIGHTS OF DAYLIGHT IN DENSITY: OPTIMISING BUILDING CODES TO ACHIEVE MAXIMUM DAYLIGHT IN APARTMENTS OF DHAKA, BANGLADESH. *Energy for Sustainable Development*, Vol-69, Pages 51-63, DOI: 10.1016/j.esd.2022.04.014

Saiful Islam, & Shannon Vanzandt, (August 2013) THE IMPACT OF ZONING REGULATIONS ON THERMAL COMFORT IN NON-CONDITIONED HOUSING IN HOT, HUMID CLIMATES: FINDINGS FROM DHAKA, BANGLADESH. *Journal of Housing and the Built Environment* DOI: 10.1007/s10901-013-9373-2

Conference Proceedings

Saiful Islam & Mohammed Farhaz Uddin, DAYLIGHT PRIORITY IN APARTMENT ROOM LAYOUT DESIGN WHEN DAYLIGHT ACCESS IS LIMITED DUE TO DENSE URBAN SURROUNDINGS: A CASE FROM DHAKA CITY Paper accepted for presentation in 36th International PLEA (Passive and Low Energy Architecture) conference in Santiago, Chile, November 22-25, 2022

Saiful Islam, IMPACT OF APARTMENT ROOM LAYOUT IN REDUCING UNWANTED TEMPERATURE-RISE IN ROOMS ADJACENT TO KITCHEN: A CASE FROM DHAKA CITY, Edward Ng, Square Fong, & Chao Ren *PLEA 2018: Smart and Healthy Within the Two-Degree Limit Proceedings of the 34th International Conference on Passive and Low Energy Architecture*; Pages-464-469, Dec 10-12, 2018, Hong Kong, China

Saiful Islam, A STUDY ON BUILDING CODE'S IMPACT ON DAYLIGHT AVAILABILITY IN DHAKA CITY'S APARTMENT BUILDINGS Paper presented in the 31st International PLEA (Passive and Low Energy Architecture) conference in Bologna, Italy, 9 – 11 September, 2015

Saiful Islam, IMPACTS OF 'MAXIMUM ALLOWABLE BUILDING FOOTPRINT' ON NATURAL VENTILATION IN APARTMENT BUILDINGS, presented in the 29th International Conference on Passive & Low Energy Architecture 'PLEA 2013', September 10-12, 2013, Munich, Germany.

Saiful Islam, AN EXTENDED STUDY ON BUILDING REGULATIONS' IMPACT ON NATURAL VENTILATION IN APARTMENT BUILDINGS IN DHAKA CITY, presented in 20th General Assembly and Conference Commonwealth Association of Architects, 22-23 February 2013, Dhaka, Bangladesh.

Saiful Islam, & Liliana Beltran, A STUDY ON ZONING REGULATIONS' IMPACT ON VENTILATION RATE IN NON-CONDITIONED APARTMENT BUILDINGS IN DHAKA CITY, presented in World Renewable Energy Forum 2012, May 13-17, Colorado, Denver

Research Grants & Awards

NSU CTRG 2024-2025 Research Grant

Title: Mapping indoor heat stress faced by Dhaka apartment dwellers and its relationship with existing and proposed density.

Role: Principal Investigator.

National Institutes of Health Grant (NIH R01; Subaward number: 00011726)

Title: Evaluating exposure to heat stress, impact on pregnancy outcomes and housing infrastructure improvements to reduce exposure to heat stress and associated adverse health outcomes in a low-income country.

Role: Co-Principal Investigator.

NSU CTRG 2016-2017 Research Grant

Title: Establishing design guidelines for locating kitchens in apartment buildings to reduce heat stress and associated energy consumption from mechanical cooling.

Role: Principal Investigator.

NSU CTRGC 2019-2020 Research Grant

Title: A study to understand the relationship between kitchen location and resultant thermal environment in adjacent rooms in apartment building.
Role: Principal Investigator.

Best Architecture Research Paper at PGR-CIB, 1st Annual Postgraduate Research Competition on March 30, 2009

Session Winner (First Position) at Student Research Week, Texas A&M University March 28, 2008

Taxonomy Winner (Second Position) at Student Research Week, Texas A&M University March 28, 2008

Graduate Architecture Student Scholarship from University of Texas San Antonio Spring, 2004

Professional Experience

Principal Architect

S3 Architects, Dhaka, Bangladesh 2018 - present

Principal Architect

for 10-storey BFRI Head Quarter Building at Sholoshohor, Chattagram
on behalf of EQMS Consultant Ltd. 2022

Head of Design

Double A Properties, Dhaka, Bangladesh 2012 - 2018

Associate Architect

Shantha D. Gunawardana, AIA, LEED-AP, San Antonio, TX 2007 - 2008

Architect Intern

Killis Almond Associates Inc. San Antonio, TX 2006 - 2007

Independent consultant for Architectural Delineation

The Marion Koogler McNay Art Museum, San Antonio, Texas 2003 - 2006
The City of San Antonio, Texas
Fisher & Heck Architects, San Antonio, Texas
JMS Architects, San Antonio, Texas

Associate Architect

Vitti Sthapati Brinda Ltd, Dhaka, Bangladesh Jan 2001- Jan 2003

Design Awards, Exhibitions & Publication

International design award: **INTERARCH 2020 Award** for residential building, organized by International Academy of Architecture, Sofia, Bulgaria

International design exhibition: The design and drawings of Jamsherpur High School Hostel was exhibited at the **XVI World Biennale of Architecture INTERARCH 2020**, 25-28 October, Sofia, Bulgaria

Design of *Jiraibari* was published in **DOT Art & Architecture Bangladesh**, Issue-02, Volume-04, Pages-68-72

Design submitted to C2C International Design Competition was exhibited at the **Virginia Museum of Fine Arts** in 2005

Member of Jury Board & Review Committees

Juror - ARCASIA Student Design Competition 2025 & ARCASIA Thesis of The Year 2025.

Reviewer – for evaluations of Academic Transformation Fund (ATF) proposals under the HEAT Project of the UGC.

Skills

Energy Simulation Programs: EnergyPlus, DOE-2

Computational Fluid Dynamics (CFD) Programs: FLUENT

Lighting Simulation Programs: Radiance, Daysm

Computer Aided Design Programs: Autocad, Sketchup

Computer Aided Graphic Programs: Photoshop

Free-Hand Rendering Skills: Watercolor, Pen & Ink, Color Pencil, Prisma Color

Affiliation

Member (I-089) – Institute of Architects Bangladesh (IAB) **2015 - present**

Scientific Committee Member, Passive & Low Energy Architecture (PLEA) Conference, Hong Kong **2018**

Member – Rotary Club of Dhaka Mid City **2016 - present**

Life Member, Rajshahi Cancer Hospital & Research Center

Candidate Member – Institute of Architects Bangladesh (IAB) **2003 - 2014**

President, Bangladesh Student Association, Texas A&M University **2008 - 2009**

Vice President, Alumni of AUST Architects, Bangladesh **2013 – 2014**

References

Dr. Khandaker Shabbir Ahmed

Professor, Department of Architecture (BUET)
& Past President of Institute of Architects Bangladesh
(25th Executive Council, IAB)
Phone: 8801819227003
Email: shabbir@arch.buet.ac.bd

Dr Muhammad Zakiul Islam

Professor & Head
Department of Architecture
Bangladesh University of Engineering & Technology
Phone: 8801713111166
Email: zislam@arch.buet.ac.bd

Professor Julius M. Gribou,

Dean's Distinguished Professor of Architecture
The University of Texas at San Antonio
Phone: 210.458.4110
Email: julius.gribou@utsa.edu

Liliana Beltran

Ph.D., LEED-AP, Associate Professor, Architecture,
Department of Architecture, Center for Health
Systems & Design
Texas A&M University, College Station, Texas
Phone: 1-979-845-6545
Email: LBeltran@arch.tamu.edu

Dr. Chamila Subhasinghe

Lecturer
School of design and the built environment
Curtin University, Australia
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Killis P. Almond, FAIA

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