

CURRICULUM VITAE

MADHAVI INDRAGANTI, B.Arch., M.Tech, Ph.D.

Date: April 16, 2020

Fulbright Scholar
Assistant Professor
College of Engineering
Qatar University

PERSONAL INFORMATION

Mailing Address

Office: Building C 07-224,
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Professional Registration:

05/ 2014- 04/2016	Member, The Society of Heating Air-conditioning, and Sanitary Engineers of Japan
04/ 2012- 03/2013	Member, Architect's Institute of Japan (AIJ), Japan
08/ 2015-	Fellow, The Higher Education Academy, UK
07/ 1993 -	Life Member, Council of Architecture (COA), India and Licensed Architect, India

EDUCATION

Education

2003- 2009	Ph.D., Department of Architecture, Jawaharlal Nehru Architecture and Fine Arts University, Hyderabad, India
1991-1993	M.Tech. in Building Science and Construction Management, Department of Civil Engineering, Indian Institute of Technology, Delhi (IITD), New Delhi, India
1986-1991	B.Arch. (Five-year professional degree), Department of Architecture, Jawaharlal Nehru Technological University (JNTU), Hyderabad, India

Continuing Education

12/ 2014 – 08/ 2015	Fellow, The Higher Education Academy, York, YO10 5BR, United Kingdom
12/ 2014 – 08/ 2015	Certificate Program in Teaching and Learning, Prince Sultan University, Riyadh, Saudi Arabia

EMPLOYMENT HISTORY

Teaching (Full time)

09/ 2017-	Assistant Professor, Department of Architecture and Planning, College of Engineering, Qatar University, Doha, Qatar
08/ 2014- 08/2015	Associate Professor, Department of Architecture, Prince Sultan University, Riyadh, Saudi Arabia (Portfolios: R&D, Strategic Planning)
03/ 1998- 06/ 2007	Associate Professor & Head of the Department of Architecture (Tenured), SV College of Architecture (SVCA), Hyderabad, India (Portfolios: Student Affairs, Student Counseling)
01/ 2000- 06/ 2000	Associate Professor & Principal in-Charge, SVCA, Hyderabad, India

01/ 1997- 03/ 1998 Assistant Professor (24 hrs./wk. Ad-hoc), Architecture Department, SVCA, Hyderabad, India

Teaching (Visiting)

08/ 2010- 06/ 2011 Assistant Professor (10 hrs./ wk.), Interior Design Engineering Department, Prince Sultan University, Riyadh, Saudi Arabia

10/ 2010- 03/ 2011 Design Faculty (18 hrs./wk.), College of Art and Design, Princess Nora University, Riyadh, Saudi Arabia (Portfolio: Pedagogy)

02/ 2004- 04/ 2010 Visiting Professor (12 hrs./wk.), Fashion Design and Garment Technology Departments, National Institute of Fashion Technology (NIFT), Hyderabad, India

08/ 2004- 08/ 2009 Visiting Professor (4-6 hrs./wk.) Architecture and Planning Departments, Jawaharlal Nehru Architecture and Fine Arts University (JNAFAU), Hyderabad, India

12/ 2000- 04/ 2001 Visiting Professor (30 hrs./wk.), Center for IT in Building Science, International Institute of Information Technology, Hyderabad (IIITH), India (A Deemed University)

Research Appointments

11/ 2015- 09/2017 Post-doctoral Researcher (Full time) (National Priorities Research Program), Architecture and Urban Planning Department, Qatar University, Doha, Qatar

03/ 2013 - 02/ 2014 **Fulbright Post-doctoral Fellow** (Full time), Center for the Built Environment, University of California, Berkeley, CA, USA

11/ 2011- 01/ 2013 **Japan Society for Promotion of Science (JSPS) Post-doctoral Fellow** (Full time), Institute of Industrial Science, The University of Tokyo, Tokyo, Japan

05/ 2008- 04/ 2010 Independent Researcher (Full-time), Hyderabad, India

AWARDS AND RECOGNITION

12/2018 **Best Paper Award (2018)**, Building and Environment, best in discipline journal, Elsevier

05/2018 **Certificate of Outstanding Contribution in Reviewing**, Energy and Buildings, Top of the order journal in the discipline.

06/2015 **Outstanding Researcher Award**, Prince Sultan University, Riyadh, Saudi Arabia

03/ 2013 - 02/ 2014 **Fulbright-Nehru Post-doctoral Fellowship**, Center for the Built Environment, University of California Berkeley, Berkeley, CA, USA

11/ 2011- 01/ 2013 **Japan Society for Promotion of Science (JSPS) Post-doctoral Fellowship**, Institute of Industrial Science, The University of Tokyo, Tokyo, Japan

05/ 2015 **Has a Scopus h-index of 14**. Over 900 Scopus citations received for 31 research papers. Has a Google Scholar i10-index of 20 (orcid.org/0000-0002-9688-7982)

02/2015 [Your Sari Is Like A Thermos](#), Science Article in Yahoo exclusively on my Research

03/2015 [Why a sari is both hot, and cool](#) Science Article in The Times of India on my Research (The largest selling English News Paper of the World)

01/ 2012 – till date Member of the Scientific Committee, NCEUB's Windsor Conferences 2012, 14, 16, 18 UK

2001 – 2008 Twelve of the students under my tutelage secured JNAFA University gold medals.

05/ 1991	“ All-India 6th Rank (98.98 %ile) ,” National Graduate’s Aptitude Test in Engineering (GATE-91).
07/ 1991- 12/1992	“Government of India Ministry of Human Resources and Development Scholarship,” Indian Institute of Technology, Delhi, India
08/ 1986- 06/1991	“School of Planning and Architecture Merit Scholarship,” Jawaharlal Nehru Technological University, Hyderabad, India
12/ 1990	“Conceptual Structural Design Competition,” Fourth Place, National Architecture Students Association Convention, Mumbai, India
1989	“Formica interior design award,” Formica Laminates, Andhra Pradesh, India
1981 – 1985	“State Government Merit Scholarship,” Government Model High School, Nellore, India

CONSULTING EXPERIENCE

05/ 2007- 05/ 2008	Senior Architect- Associate, Team One (I) Private Limited, Hyderabad, India
10/ 1996- 09/ 1997	Architect, Architecture Department, Maxworth Country (I) Limited, Coimbatore, India
08/ 1993- 08/ 1996	Assistant Architect, Architecture Department, ECC Construction Group, Larsen & Toubro Limited (India’s largest construction company), Chennai, India
12/ 1990- 06/ 1991	Architectural Trainee, KS Kumar and Associates, Guntur, India

RESEARCH INTERESTS

Adaptive Thermal Comfort; Indoor and outdoor environments; Occupant behavior; Behavioral Adaptation of building occupants; Bio-climatic architecture; Vernacular architecture; Buildings and Energy; Passive design; Educational research in architectural pedagogy.

TEACHING

Undergraduate Courses

At the Department of Architecture and Urban Planning, College of Engineering, Qatar University

Spring 2019	ARCT 531 - Ethics and Professional Practice. (I developed the teaching material for this course), ARCT 512 - Senior Project, ARCT 212 - Design studio -2
Fall 2018	ARCT 510 - Comprehensive Design Studio, ARCT 520 - Landscape Architecture, ARCT 320 - Design methods and Theories. (I’m newly developing these course materials)
Spring 2018	ARCT 531 - Ethics and Professional Practice, ARCT 512 - Senior Project, ARCT 212 - Design studio -2.
Fall 2017	ARCT 510 - Comprehensive design studio, ARCT 511 - Senior Project Preparation and Programming, ARCT 310 Design studio -3.

At the Department of Architecture and Interior Design, Prince Sultan University, Saudi Arabia

Spring 2015	ARCH 311 - Architectural Design Studio; ARCH 131 - Technical Drawing -1 Studio, ID 457 - Specifications and Quantities (I developed the teaching material for these courses).
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Fall 2015 ARCH 412 - Urban Design Studio; ARCH 131 - Technical Drawing -1, Studio; ID 459 - Professional Practice; ARCH 451 - Professional Practice and Design Management (I developed the teaching material for these courses).

Spring 2011 ID 407 - Environmental Design (I developed the teaching material for this course).

At the Department of Interior Design, Princess Nora University, Saudi Arabia

Fall 2010 DES 101 (Basic Design Studio) Freshman Year

At the Departments of Fashion Design, Fashion Tech., Garment Tech, National Institute of Fashion Tech., India.

2004- 2010 Combinatorics and Graphic Design (Graduate Level Seminar); Human Factors and Ergonomics (Sophomore Level Design Studio); Applied Geometry in Design (Freshman Level Studio) (I developed the teaching material for these courses).

At the Architecture Departments of SVCA and JNAFAU, Hyderabad, India.

1996- 2010 In various higher education institutions I taught almost all undergraduate courses in B.Arch., B. Plan., programs for about 15 years and guided over 50 Undergraduate Design/ Research Theses. Most of them were in the sub-disciplines of Architectural Design, Research Methods, Construction Management, Building Construction, Environmental Science, Professional Practice, Design Seminar, Structures in Architecture, etc.

Graduate Courses

Spring 2018 At Qatar Univ.: MUPD 652 (Theory of Urban Form and Design) (I developed the teaching material for this course).

Spring 2000 At IIITH, India: Design Modeling and visualization (I developed the teaching material for this course).

Project Supervision

11/2015 - 04/ 2018 Co-supervision of graduate thesis by Al-Najjar, R., "Thermal comfort in the office buildings during the Summer Season: Findings from a field study in Kuwait," submitted to Kuwait University, Kuwait. Main advisor: Adil Al-Mumin.

SERVICE

Committees (at Qatar University)

University

11/ 2015 – till date Participant. I attended all the prominent QU events and activities such as annual convocation, presentations, public lectures etc.

College of Engineering (CENG)

05/ 2015 – till date Participant. I attended all the prominent CENG events and activities such as annual research forum, research presentations, public lectures etc.

Department

05/ 2018 – till date	Member of the APAT (aptitude test) Taskforce. Analyze the APAT test data, prepare test question papers, assist in policy decisions.
05/ 2018 – till date	Lead of the Course Observation Taskforce. Prepared the strategic plan, operational plan and all related forms and set it in motion.
05/ 2018 – till date	Lead of the Research Taskforce. Prepared the research strategic plan, operational plan, communicating on journals, and all the related activities.
12/ 2017 – till date	Lead of the Exit Exam Taskforce. Facilitated the cohort with the preparation material for the exam and smoothly conducted the Exit Exam.
09/ 2017 – 05/2018	Member Research Taskforce. Prepared the research vision document and research paper writing template (shared it with graduate students and faculty). I supported the committee and conducted the tasks assigned.
09/ 2017 – till date	Member of the NAAB Report Review Standing Committee. Reviewed and made edited the NAAB Reports.
09/ 2017 – till date	Member of the Peer review Taskforce. Peer reviewed seven courses.
09/ 2017 – till date	Member of the Vetting Taskforce. Vetted three design courses.
09/ 2017 – till date	Member of the Curriculum and UG Progress Standing Committee. Provided feedback on design syllabi and verified all the syllabi for technical errors. Supporting the committee in numerous tasks assigned.
09/ 2017 – till date	Lead of the digital Course Portfolios (CF) Taskforce. Collected, verified and communicated with the faculty and compiled the DAUP repository of CFs from Fall 2015 onwards totaling 145 courses.
09/ 2017 – 01/2018	Member of the Analog Course Portfolios (CF) Taskforce. Collected and communicated with the faculty in compiling print copies of 12 NAAB TR CFs.
01/ 2017 – 08/2018	Lead of the Student Affairs/ AIAS/ Events and Seminars Taskforce. Organized QU-AIAS Reset and other AIAS events and DAUP Public Lectures. Coordinated with student leaders.

Committees (Outside Qatar University)

08/ 2014 – 08/2015	Lead of Research Committee at Prince Sultan University (PSU), Riyadh, Saudi Arabia. Conducted several research workshops, gave presentations and moderated the Annual Research Forum.
08/ 2014 – 08/2015	Lead of Strategic Planning Committee at Prince Sultan University (PSU), Riyadh, Saudi Arabia. Helped the top-administration prepare strategic plan. Prepared a vision plan for peer-peer mentoring for students and faculty.
11/ 2015 – 04/2018	Member of the Graduate Thesis Examination Committee. As a Co-supervisor, I proposed the names of the examiners and discharged other responsibilities as assigned.

International Professional Service and Societies' Memberships

- 05/ 2013 – till date Assessor for the Research Proposals for Grants submitted to European Union; Department of Science and Tech., Govt. of India
- 03/ 2010 – till date Reviewer of scholarly journals: For nineteen top-of the discipline international journals (Q1) such as Renewable and Sustainable Energy Reviews, Applied Energy, Energy and Buildings, Buildings and Environment, Indoor Air, Renewable Energy, Journal of Housing and the Built Environment etc., I have reviewed several research papers submitted to them. Reviewed over 50 research journal articles.
- I reviewed scientific proposals submitted to European Research Council, National Research Foundation (South Africa), and for the Department of Science and Technology, India.
- 09/2018 Member, Scientific Committee, Gulf Conference on Sustainable Built Environment Conference- 2019 Kuwait University, Kuwait.
- 04/2014- 04/2018 Secession Chair, Scientific Committee Member, Windsor Conferences 2014, 2016, 2018 Network for Comfort and Energy Use in Buildings (NCEUB), UK
- 12/2014 – 04/2017 Personal mentor to a PhD Scholar, Poornima University, Jaipur, India
- 11/2013 Article Editor for SAGE open, Social Science Journals, SAGE Publications, Inc.
- 04/ 2010 - Member, Network for Comfort and Energy Use in Buildings (NCEUB), UK

Regional/Local Professional Service

- 09/2018 I volunteered to mentor the graduate student from Oman University in research paper reviewing through the online research learning platform JoPublons.
- 11/ 2011 – 04/ 2018 I volunteered to personally train and supervise the research of a graduate student in the Architecture Department of Kuwait University.
- 02/2015 Member of Faculty Peer Review Committee, Architecture + ID, Prince Sultan University (PSU), Riyadh, Saudi Arabia
- 01/2015 Member of Grade Appeal Committee, Architecture + ID, PSU, Riyadh, Saudi Arabia
- 02/2015 Session Chair in Architecture, Undergraduate Research Forum, PSU, Riyadh, Saudi Arabia
- 08/2014 – Co-coordinator in-charge of Research Committee, Architecture+ ID Department, PSU, Riyadh, QU,
- 08/2014 – Member of the Strategic Planning Committee, Architecture+ ID Department, PSU, Riyadh
- 12/ 2012 Prepared the workshop booklets and was the Rapporteur for the 'GCOE International Workshop on the Environmental Problems of Mega Cities in Developing Countries' organized by Prof. Ooka Ryozo of The University of Tokyo, Japan.
- 11/ 2012 Edited five articles submitted to international conferences from Kato and Ooka lab, and two Ph.D. theses at Institute of Industrial Science, The University of Tokyo, Japan
- 07/1996 – 04/ 2007 Chair of the Student Counseling committee, SV College of Architecture (SVCA), Hyderabad, India
- 07/1996 – 04/ 2007 Head of the Students' Affairs, Library Development Committees, SVCA, Hyderabad, India
- 07/1996 – 04/ 2007 Undergraduate Thesis Advisor, SVCA, Hyderabad, India

Regional/Local Community Service

- 12/2018 Guest of Honor and motivational address to 1500 audience at an annual day function in an Indian School in Doha, Qatar

08/ 2015 – till date	A member of <i>Doha Kutumbam</i> (a cultural association of Telugu speaking people), I attend their events and participate in their charity and leadership activities. I present information on the educational and employment opportunities to the group members.
03/ 2018 – till date	I attended the Supreme Committee’s presentations in QU on their stadium projects and volunteered to visit their stadium projects along with students in Qatar and be a student guide.
03/ 2018 – till date	A Qatar Museum (QM)’s Culture Pass Member, I participate in the activities of Qatar Museums and Doha Film Institute (DFI). I watch internationally acclaimed cinema and write brief reviews for people to benefit from the activities of DFI and QM.
03/ 2018 – till date	I observe the world around me. And write unique motivational stories about ordinary people around me, artists, and on low-calorie vegetarian recipes I design. I post them in my blog regularly (www.indraganti.weebly.com).

SCHOLARLY ACHIEVEMENTS

Refereed Journal Papers (23 Papers)

1. Thapa. S, **Indraganti. M**, “Evaluation of thermal comfort in two neighboring climatic zones in Eastern India—an adaptive approach,” *Energy and Buildings* [Volume 21315 April 2020 Article 109767](#) Impact factor: 4.495
2. Assadi. S, Mostavi. E, Boussaa. D, **Indraganti. M**, “Building energy model calibration using automated optimization-based algorithm,” *Energy and Buildings* [1981 \(9\) \(2019\) 106-114](#).
3. Liřcina VF, Cheung T, et al., Indraganti. M, et.al., “Development of the ASHRAE Global Thermal Comfort Database II ,” *Building and Environment* [142 \(2018\) 502-512](#), September 2018, Elsevier Journals. Impact factor: 4.539 “**Won the Best Paper Award from Building and Environment,**” **best in discipline journal.**
4. Thapa. S, Bansal AK, Panda GK, **Indraganti. M**, “Adaptive thermal comfort in the different buildings of Darjeeling Hills in eastern India – Effect of difference in elevation,” *Energy and Buildings* [173 \(2018\) 649-677](#)
5. **Indraganti. M**, Boussaa. D, Assadi. S, Mostavi. E, “User satisfaction and energy use behavior in offices in Qatar,” *Building Services Engineering Research and Technology*, [Volume 39, Issue 4, 1 July 2018, Pages 391-405](#) Sage Journals. Impact factor: 0.820
6. **Indraganti. M**, Boussaa. D, “An adaptive relationship of thermal comfort for the Gulf Cooperation Council (GCC) Countries: The case of offices in Qatar,” *Energy and Buildings* [159 \(2018\) 201–212](#), January 2018, Elsevier Journals.
7. **Indraganti. M**, “Enquiry-based learning workshop for deep learning in Middle Eastern classrooms – an action research approach,” *Educational Action Research*’ [Doi: 10.1080/09650792.2017.1379423](#), October 2017, Taylor & Francis.
8. **Indraganti. M**, Boussaa. D, “Comfort temperature and occupant adaptive behavior in offices in Qatar during summer,” *Energy and Buildings* [150 \(2017\) 23-36](#), September 2017, Elsevier.
9. Takasu. M, Ooka. R, Rijal. HB, **Indraganti. M**, Singh, MK, “Study on adaptive thermal comfort in Japanese offices under various operation modes”, *Building and Environment*, [118 \(2017\) 273 -288](#), Elsevier. June 2017
10. **Indraganti. M**, Djamel. B, “A method to estimate the heating and cooling degree-days for different climatic zones of Saudi Arabia,” *Building Services Engineering Research and Technology* [38\(3\) \(2017\) 327-350](#), Sage Journals, ISSN: 0143-6244.
11. **Indraganti. M**, Ooka. R, and Rijal. HB, “Thermal Comfort in Offices in India: Behavioral Adaptation and the Effect of Age and Gender,” *Energy and Buildings* [103 \(2015\) 284–295](#), September 2015.
12. **Indraganti. M**, Ooka. R, Rijal. HB, and Brager G, “Drivers and barriers in operation of environmental controls,” *Architectural Science Review* [58\(1\) \(2015\) 77-86](#), Jan 2015. Paper short-listed out of all the papers presented at the Windsor 2014 Conf. UK.

13. **Indraganti, M.**, Lee, J, Zhang, H, and Arens, E, “Thermal adaptation and insulation opportunities provided by different drapes of Indian Saris.” *Architectural Science Review* [58 \(1\) \(2015\) 87-92](#), Jan 2015. Paper short-listed out of all the papers presented at the Windsor 2014 Conf. UK.
14. **Indraganti, M.**, Ooka, R, Rijal, HB and Gail S Brager, “Adaptive model of thermal comfort for offices in hot and humid climates of India,” *Building and Environment*, [74 \(2014\) 39-53](#), April 2014.
15. **Indraganti, M.**, Ooka, R and Rijal, HB, “Field investigation of comfort temperature in Indian office buildings: a case of Chennai and Hyderabad,” *Building and Environment*, [65 \(2013\) 195- 214](#), June 2013.
16. **Indraganti, M.**, Ooka, R and Rijal, HB, “Thermal comfort in offices in summer: Findings from a field study under the ‘*setsuden*’ conditions in Tokyo, Japan,” *Building and Environment*, [61 \(2013\) 114-132](#). March 2013
17. **Indraganti, M.**, “Thermal comfort in apartments in India: Adaptive use of environmental controls and hindrances,” *Renewable Energy*, [36 \(2011\) 1182-1189](#), Elsevier Press Monthly, ISSN: 0960-1481, Impact Factor: 4.900.
18. **Indraganti, M.**, “Understanding climate sensitive architecture of Marikal, a village in Telangana region in Andhra Pradesh, India,” *Building and Environment*, [45 \(2010\) 2709-2722](#). December 2010
19. **Indraganti, M.**, “Behavioral adaptation and the use of environmental controls for thermal comfort in apartments in India,” *Energy and Buildings*, [42 \(2010\) 1019–1025](#).
20. **Indraganti, M.**, “Adaptive Use Of Natural Ventilation For Thermal Comfort In Indian Apartments,” *Building and Environment*, [45 \(2010\) 1490–1507](#).
21. **Indraganti, M.**, “Thermal comfort in naturally ventilated apartments: Findings form a field study in Hyderabad,” *Applied Energy*, [87 \(2010\) 866– 883](#), , Number of Citations: 88, Elsevier Press, Monthly, ISSN: 0306-2619, Impact Factor: 7.900
22. **Indraganti, M.**, “Using the adaptive model of thermal comfort for obtaining the indoor neutral temperature: Findings form a field study in Hyderabad,” *Building and Environment*, [45 \(2010\) 519–536](#), Elsevier Press, Monthly, ISSN: 0360-1323.
23. **Indraganti, M** and Rao, KD, “Effect of age, gender, economic group and tenure on thermal comfort: A field study in Hyderabad,” *Energy and Buildings*, [42 \(2010\) 273–281](#), Elsevier Press, Monthly, ISSN: 0378-7788.

Refereed Conference Proceedings (21 Papers)

24. **Indraganti M.** “Gender Differences in Thermal Comfort and Satisfaction in Offices in GCC and Asia”. Gulf Conference on Sustainable Built Environment, 10 - 13 Mar 2019, Kuwait City, Kuwait.
25. **Indraganti, M.**, and Boussaa, D, “Developing the adaptive model of thermal comfort for offices in the GCC region”, Proc of NCEUB’s 10th Windsor Int Conf on “Rethinking Comfort,” April 12-15, 2018, Cumberland Lodge, Windsor Great Park, UK
26. Rasha W Najjar, Adil Al-Mumin, **Indraganti, M.**, “Thermal comfort in office buildings during the summer season: Findings from a field study in Kuwait”, Proc of NCEUB’s 10th Windsor Int Conf on “Rethinking Comfort,” April 12-15, 2018, Cumberland Lodge, Windsor Great Park, UK
27. **Indraganti, M.**, Boussaa, D, “Occupant Energy Use and Environmental Satisfaction in Offices of Doha, Qatar,” Proc. Of the Zero Energy Mass Custom Home 2018 International Conf., (ZEMCH) Jan-Feb 2017, Melbourne, Australia.
28. Takasu, M, Ooka, R, Rijal, HB, **Indraganti, M.**, Singh, MK, “Study on thermal adaptation in naturally ventilated office buildings in Japan”, Proc of IAQVEC’s 9th Int Conf on ““Healthy & Smart Built Environment”,” October 23-26, 2016, Songdo, Incheon. Republic of Korea
29. **Indraganti, M.**, Boussaa, D, Ooka, R, and Rijal, HB, “Thermal Comfort and Adaptation in Qatari and Japanese Offices: A Comparative Overview,” Proc. Of the Annual Conference of the Society of Heating Air-conditioning and Sanitary Engineers of Japan (SHASE) Sep 2016, Kagoshima, Japan.

30. **Indraganti, M.**, Lee, J, Zhang, H, and Arens, E, “Why is the Indian Sari an all-weather gear? Clothing insulation of Sari, Salwar-Kurti, Pancha, Lungi, and Dhoti”, Proc of NCEUB’s 9th Windsor Int Conf on “Making Comfort Relevant,” April 7-10, 2016, Cumberland Lodge, Windsor Great Park, UK
31. Ooka, R, **Indraganti, M.**, and Rijal, HB, “A Comparative Analysis of Thermal Acceptability in Offices in India and Japan”, Proc of NCEUB’s 9th Windsor Int Conf on “Making Comfort Relevant,” April 7-10, 2016, Cumberland Lodge, Windsor Great Park, UK
32. Takasu, M, Ooka, R, Rijal, HB, **Indraganti, M.**, Singh, MK, “Study on thermal adaptation in naturally ventilated office buildings in Japan”, Proc of NCEUB’s 9th Windsor Int Conf on “Making Comfort Relevant,” April 7-10, 2016, Cumberland Lodge, Windsor Great Park, UK
33. **Indraganti, M.**, Ooka, R, and Rijal, HB, “Thermal Comfort in Offices in India: Behavioral Adaptation and the Effect of Age and Gender”, Proc of 30th Int Conf on Passive and Low Energy Architecture, [PLEA 2014, Dec 2014](#), Ahmadabad, India.
34. **Indraganti, M.**, Ooka, R, and Rijal, HB, “Thermal Comfort and Acceptability in Offices in Japan and India: A Comparative Analysis,” Proc. Of the Annual Conference of the Society of Heating Air-conditioning and Sanitary Engineers of Japan (SHASE) Sep 2014, Akita, Japan.
35. Ooka, R, **Indraganti, M.**, and Rijal, HB, “Summer Comfort Temperature and Adaptation in Japanese Offices under the Setusden Conditions: A Field Study Report”, Proc of 2014 Architectural Institute of Japan convention (Kinki) Conf,” April 2014, Japan.
36. Ooka, R, **Indraganti, M.**, and Rijal, HB, “Comfort temperature and the adaptive use of environmental controls in offices in Japan”, Proc of NCEUB’s 8th Windsor Int Conf on “Counting the Cost of Comfort in a changing world,” April 10-13, 2014, Cumberland Lodge, Windsor Great Park, UK. ISBN 978-0-9928957-0-9, p 562-576.
37. **Indraganti, M.**, Ooka, R, Rijal, HB, and Brager G, “Occupant behavior and obstacles in operating the openings in offices in India”, Proc of NCEUB’s 8th Windsor Int Conf on “Counting the Cost of Comfort in a changing world,” April 10-13, 2014, Cumberland Lodge, Windsor Great Park, UK. ISBN 978-0-9928957-0-9, p 253 - 270.
38. **Indraganti, M.**, Lee, J, Zhang, H, and Arens, E, “Versatile Indian sari: Clothing insulation with different drapes of typical sari ensembles”, Proc of NCEUB’s 8th Windsor Int Conf on “Counting the Cost of Comfort in a changing world,” April 10-13, 2014, Cumberland Lodge, Windsor Great Park, UK. ISBN 978-0-9928957-0-9, p 622 – 633.
39. **Indraganti, M.**, Ooka, R and Rijal, HB, “Developing the Adaptive Model of Thermal Comfort for Indian Office Buildings,” Proc of CLIMA 2013 & 11th REHVA World Congress and the 8th Int Conf on IAQVEC, Prague, Czech Repb., Jun 16 – 19, 2013.
40. **Indraganti, M.**, Ooka, R and Rijal, HB, “Significance of air movement for thermal comfort in warm climates: A discussion in Indian context”, Proc of NCEUB’s 7th Windsor Int Conf on “The changing context of comfort in an unpredictable world,” April 12-15, 2012, Cumberland Lodge, Windsor Great Park, UK. Available online: <http://nceub.commoncense.info/uploads/W1213%20Indraganti.pdf>.
41. **Indraganti, M.**, “Thermal Adaption and impediments: Findings from a field study in Hyderabad, India”, Windsor – 2010, Proc of NCEUB’s 6th Windsor Int Conf on “Adapting to Change: New Thinking on Comfort”, April 9-11, 2010, NCEUB, Cumberland Lodge, Windsor Great Park, UK. Available online: <http://nceub.commoncense.info/uploads/14-01-17-Indraganti.pdf>.
42. **Indraganti, M.**, “Thermal Comfort in Top-floor Apartments in Hyderabad, India”, Proc of Int Engineering Conf on Hot Arid Regions, IECHAR – 2010, Al-Ahsa, KSA, May 1-2, 2010.
43. **Indraganti, M.**, “Importance of occupant’s adaptive behaviour for sustainable indoor thermal comfort in apartments in India”, Proc of 27th Int Conf on Passive and Low Energy Architecture, [PLEA 2011, Architecture & Sustainable Development, Vol- I](#), July 2011, Louvain-la-Neuve, Belgium. Available online in google books p 505 -510

44. **Indraganti. M** and Karlapudy. D, “Climate sensitive architecture of Marikal, a village in Telangana region in Andhra Pradesh, India”, Proc of 27th Int Conf on Passive and Low Energy Architecture, [PLEA 2011, Architecture & Sustainable Development, Vol- II](#), July 2011, Louvain-la-Neuve, Belgium. Available online in google books p 413 -418
45. **Indraganti. M**, “Thermal comfort in naturally ventilated apartments in summer: Findings form a field study in Hyderabad”, In Proc of 3rd Int Conf on Environmentally Sustainable Development, ESdev- 2009, COMSATS, IIT, Abbottabad, Pakistan.

Technical Reports

Indraganti, M, Ooka R, Rijal HB, Thermal comfort and the importance of the occupant adaptation in buildings, Annual Research Magazine Published by Prince Salman Research & Translation Center of Prince Sultan University, Riyadh, Saudi Arabia, Fall 2014

Indraganti. M, “The necessity of the adaptive comfort model for thermal comfort practice in India,” Cooling India, Chary Publications, Vol 5, Jan-Feb 2009. A leading monthly for the air conditioning and refrigeration industry in India

Non-Technical Reports

Indraganti. M, “For a beautiful living room,” A two-part feature on Interior Design in Eenadu, Hyderabad, India, November 2008. The largest circulated Telugu News Paper in India

Documentary film

Indraganti. M, “Gateway to a better India: Re-imagining the Indian Village” – A 40 min long documentary in English and Telugu on a case study village ‘Marikal,’ showing the present and post Master Planning efforts, American Telugu Association, 2007. Available online: <http://www.youtube.com/watch?v=7YtB16yCkWE>

Refereed Book Chapters

46. Indraganti M. (2020) Gender Differences in Thermal Comfort and Satisfaction in Offices in GCC and Asia. In: Editors: Bumajdad A, Bouhamra W, Alsayegh A. O, Kamal A. H, Alhajraf F. S (eds) Gulf Conference on Sustainable Built Environment. Springer International Publishing, Paper # 27, Print ISBN: 978-3-030-39733-3
47. Indraganti M. (2018) India: Bio-climatism in Vernacular Architecture. In: Kubota T., Rijal H., Takaguchi H. (eds) Sustainable Houses and Living in the Hot-Humid Climates of Asia. Springer, Singapore, Print ISBN978-981-10-8464-5. [Pages 47-58](#)
48. Indraganti M., Rao KD., (2018) Thermal Comfort in Indian Apartments. In: Kubota T., Rijal H., Takaguchi H. (eds) Sustainable Houses and Living in the Hot-Humid Climates of Asia. Springer, Singapore, Print ISBN978-981-10-8464-5. [Pages 165-174](#)
49. Indraganti. M, Ooka. R, Rijal. HB, “Box A: Thermal comfort in Japanese and Indian Offices”, In: Kubota T., Rijal H., Takaguchi H. (eds) Sustainable Houses and Living in the Hot-Humid Climates of Asia. Springer, Singapore, Print ISBN978-981-10-8464-5. [Pages 201-205](#)
50. Indraganti M. (2018) Occupant Behavior in Indian Apartments. In: Kubota T., Rijal H., Takaguchi H. (eds) Sustainable Houses and Living in the Hot-Humid Climates of Asia. Springer, Singapore, Print ISBN978-981-10-8464-5. [Pages 253-261](#)
51. Indraganti M., Ooka. R, Rijal. HB (2018) Box A: Occupant Adaptation in Japanese and Indian Offices. In: Kubota T., Rijal H., Takaguchi H. (eds) Sustainable Houses and Living in the Hot-Humid Climates of Asia. Springer, Singapore, Print ISBN978-981-10-8464-5. [Pages 293-297](#)

Conference/Workshop/Forum Attendance and Presentations

Pedagogic Workshops Conducted at University Level (Graduate and Undergraduate)

1. "Writing a successful grant proposal – From doodles to dream grants"- A Workshop for Researchers and Graduate students of Riyadh, Saudi Arabia held at Prince Sultan Univ., Riyadh, Saudi Arabia, Fall 2014.
2. "Inducting UG students into active research – My experience"- A Workshop for Researchers and Teachers of Riyadh, Saudi Arabia held at Prince Sultan Univ., Riyadh, Saudi Arabia, Fall 2014.
3. Week long lecture- workshop to the faculty and students of College of Planning and Architecture, at Ball State University, Muncie, IN, USA, September 2013 (Fulbright Occasional Lecture Fund Workshop)
4. "Thermal Comfort Field Study, Research in Indian Offices"- A hands on lecture-demonstration of research activity, Junior and Senior High School at Komaba, University of Tsukuba (Tokyo), Japan, 16, June 2012. (Science Dialogue Series)
5. "Scientific Research Paper Writing in English"- A two-day Workshop for Researchers and Graduate students of Kato and Ooka Lab, The University of Tokyo, Japan, March 2012.
6. "Research Methods in Art and Design- A two-day Workshop for Professional Design Teachers", College of Art and Design, Princess Nora Univ., Riyadh, KSA, March 26-28, 2011.
7. "Technical Report Writing for Researchers- A two-day Workshop for Professional Design Teachers", College of Art and Design, Princess Nora Univ., Riyadh, KSA, April 16-18, 2011.
8. "Best out of Waste- A two-day Workshop for Professional Design Students and Teachers", College of Art and Design, Princess Nora Univ., Riyadh, KSA, March 16-17, 2011
9. "Experiential Design," a lecture series in Bridge Program for practitioners, National Inst. of Fashion Tech., Hyderabad, 02/ 2010
10. "Advanced Project Management Studio," One Week Workshop, SV College of Architecture, India, 2009

Special Lectures/Presentations

11. Indraganti. M, "Architecture of the Energy Rich Riyadh, Saudi Arabia: Lessons for Low Energy Economies"- a lecture presentation to the Undergraduate students of SV College of Architecture, Hyderabad, India. 09/ 2010.
12. Indraganti. M, and Murali S. Chanduri, "The Idea of a Model Village- Marikal," - a presentation to the distinguished members of the Press/ Media, Press Club, Hyderabad, India, 06/ 2008.
13. Indraganti. M, "Climate Responsive Architecture of Marikal: Lessons for the Modern World"- a lecture presentation to the Students of Architecture, CSI Institute of Technology, Secunderabad, India. 09/ 2007.
14. Indraganti. M, "Development Roadmap for an Indian Village" - a special presentation to the Senior Executives of Byrraju Foundation, Secunderabad, India. 02/ 2007.
15. Indraganti. M, "Influence of Materials and Construction on the Development of Form", a Quality Improvement Program of All India Council for Technical Education at SV College of Architecture, Hyderabad, India. February 2004.
16. Indraganti. M, "Thermal Comfort Optimization in a Residential Building," Passive Low Energy Architecture (PLEA) State Level Seminar, Department of Non- Conventional Energy Sources, School of Planning and Architecture, Jawaharlal Nehru Technological University, Hyderabad, India, September 1999.

Speaker invitations and Invited Presentations at International Conferences and Organizations

1. Indraganti. M, Boussaa. D, "Occupant thermal comfort in Qatari Offices - need for the new adaptive standard," Proc. Of the 2nd Annual Conference of the Qatar Green Building Council (QGBC) 13th – 15th Nov 2016, Doha, Qatar.
2. Indraganti. M, Boussaa. D, Ooka. R, and Rijal. HB, "Thermal Comfort and Adaptation in Qatari and Japanese Offices: A Comparative Overview," Proc. Of the Annual Conference of the Society of Heating Air-conditioning and Sanitary Engineers of Japan (SHASE) Sep 2016, Kagoshima, Japan.

3. Indraganti. M, and Varanasi, I, “Sustainability in Practice,” Presentation at the INDEX Design Talks 2015, International Design Exhibition (INDEX), May 2015, Dubai, UAE.
4. Indraganti. M, “Escalating Energy Use in Saudi Arabia: Need for an Adaptive Comfort Standard,” Invited Presentation at The Saudi International Building Technologies Conference Annual Conference 2015, King Abdulla City for Science and Technology, Riyadh, Saudi Arabia. May 11 – 12, 2015.
5. Indraganti. M, Ooka. R, and Rijal. HB, “Thermal Comfort and Acceptability in Offices in Japan and India: A Comparative Analysis,” Proc. Of the Annual Conference of the Society of Heating Air-conditioning and Sanitary Engineers of Japan (SHASE) Sep 2014, Akita, Japan.
6. Indraganti. M, “PMV and the Adaptive model and the necessity of adaptive approach in thermal comfort for sustainable indoors”- week long lecture and workshop sessions at the College of Architecture and Planning, Ball State University, Muncie, IN, USA. September 16 – 20, 2013.
7. Indraganti. M, “Thermal Comfort Research in India and Japan”- a Brown Bag lecture Presentation at the Center for the Built Environment, University of California, Berkeley, CA, USA, March 2013.
8. Indraganti. M, “India and Thermal Comfort Field Study Research in Indian offices”- a JSPS Science Dialogue lecture demonstration at the Junior High and Senior High School at Komaba, Tuskuba University, Tokyo, Japan, June 2012.
9. Indraganti. M, “Developments, Evaluation and Application of Thermal Comfort Standards in India”, American Society of Heating, Refrigeration and Air conditioning (ASHRAE), Feb 2011 Conference, Los Vegas, USA.
10. Indraganti. M, “Growing Energy Concerns of Saudi Arabia - Green lessons from Around the World,” Eco Friendly Buildings Conference (Women), Riyadh, KSA, 19, December 2010

Funded Projects (Period, Title, Agency, Amount, Role)

06/2020 -06/2021	Evaluation of bio-climatic conditions and human thermal perceptions outdoors in Qatar (University precincts) (UREP26-034-2-010) by Qatar National Research Foundation (QNRF); USD 15000; LPI
06/2020 -06/2021	Indoor environmental quality assessment through occupant thermal comfort surveys in residential buildings in Qatar (UREP26-034-2-011) by QNRF; USD 15000; LPI
02/2020 – 01/2021	Investigation of occupant thermal comfort in higher education learning environments in Qatar (UREP25-040-2-018) by QNRF USD 15000; LPI
1/2020 – 04/2020	Part A: Investigation of thermal comfort and environmental monitoring in winter in residential environments in Doha – A transverse survey (QUST-1- CENG- 2020-7) of QU Internal student grant; QR 20,000; LPI
01/2020 – 04/2020	Part B: Investigation of thermal comfort and environmental monitoring in winter in residential environments in Doha – A Longitudinal survey (QUST-1- CENG- 2020-8) of QU Internal student grant; QR 20,000; LPI
06/2018- 02/2019	“Investigation of occupant thermal comfort in learning environments in Qatar,” QUST-2-CENG-2018-8, Qatar University Student Internal Grant of QR 10,000 as Lead Principal Investigator
07/2015- 07/2018	‘Development of a simple tool to design energy-efficient, low-emission and cost-effective commercial buildings’ Qatar National Research Foundation, Qatar’s grant of USD 812,607.5 as Principal Investigator (from 02/2018 – 07/2018).
03/2013- 02/2014	‘The development of the adaptive model of thermal comfort for India’ Fulbright Foundation and CIES of USA’s grant of USD 50,000 as Lead Principal Investigator.

- 11/ 2011- 01/ 2013 'Thermal comfort field studies and the development of an adaptive model in Indian office buildings,' Japan Society for Promotion of Science and The University of Tokyo, Japan's grant of JPY 76,28,000 as Lead Principal Investigator.
- 05/ 2006- 02/ 2008 'Gateway to a Better India- Re-imagining the Indian village'- America Telugu Association, USA and Telugu Society of America, Inc., USA's grant of US\$ 13,500, as Principal Investigator (Lead).

Grants

- 04/2018 A travel grant of QR 7500 by Qatar University for presenting the 'Adaptive model of thermal comfort for the GCC region,' at Windsor 2018 Conference, London, UK
- 09/2016 International Speaker Travel Grant of USD 2000 by The University of Tokyo, Japan for presenting the adaptive model of thermal comfort at SHASE Conf. at Fukuoka, Japan
- 09/2014 International Speaker Travel Grant of USD 2000 by The University of Tokyo, Japan for presenting the adaptive model of thermal comfort at SHASE Conf. at Akita, Japan
- 06/ 2013 International Speaker Travel Grant of JPY 250, 000 by The University of Tokyo, Japan to present 'The adaptive model of thermal comfort for India' at CLIMA 2013 International Conference, Prague, Czech Republic.

Certificate Courses Attended

- 03/ 2012 Beginner's Course in Japanese, Institute of Industrial Design, The University of Tokyo, Japan
- 02/ 2005 Pedagogy of Research in Architecture, A week long Quality Improvement Program at Jawaharlal Nehru Technological University (JNTU), India
- 02/ 2004 Structural Developments in Architecture, A week long Quality Improvement Program at SV College of Architecture, Hyderabad, India
- 03/ 2001 Design Teaching Theory and Practice, two-week long Quality Improvement Program at JNTU, India