

Keya Mitra, PhD

Professor
 Department of Architecture
 Town & Regional Planning
 Indian Institute of Engineering Science and
 Technology, Shibpur, Howrah 711103, India
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Interests

- Urban disaster risk reduction—earthquakes
- Evolution of regulatory systems in urban settings.
- Interventions in formulation of Bye Laws for earthquake resistant built environments
- Design guidance in the building delivery process, including issues pertaining to the connections that a facility has with the community and its surroundings.

Summary

EDUCATION

Department of Structural Engineering and Geotechnics
 Sapienza Universita Di Roma, ITALY
Post doctoral research from April-October, 2012

Department of Architecture,
 Bengal Engineering and Science University, Shibpur
Ph.D in Architecture

University of Wisconsin-Milwaukee, USA
 School of Architecture and Urban Planning
Master of Architecture

University of Calcutta
 Department of Architecture, Bengal Engineering College
 University of Calcutta
Bachelor of Architecture

WORK EXPERIENCE

2009 November – present (currently serving as Head of the Department)
Professor
*Department of Architecture,
 Indian Institute of Engineering Science and Technology, Shibpur
 (formerly Bengal Engineering and Science University, Shibpur)*

2006 January – 2009 November
Associate Professor
*Department of Architecture,
 Bengal Engineering and Science University, Shibpur*

1991 November-2003 June
Lecturer
*Department of Architecture,
 Bengal Engineering College (D.U)*

1990 July-1991 October
Manager
*Digital Response
 Calcutta*

1987 August—1989 September
Graduate Research Assistant
*School of Architecture and Urban Planning
 University of Wisconsin-Milwaukee, USA*

1986 March—1987 July
Junior Architect
H.K. Sen & Associates, Calcutta

PROFESSIONAL ENGAGEMENTS	<p>Member National Advisory Committee <i>National Information Centre of Earthquake Engineering (NICEE)</i> <i>Indian Institute of Technology Kanpur</i> Since 2014</p>
ACADEMIC ENGAGEMENTS	<p>Member International Editorial Board <i>Projects For: Series of Publications</i> <i>Sapienza Universita di Roma</i></p> <p>International External Reviewer Research Development Fund Proposals at Xi'an Jiaotong-Liverpool University (XJTLU), China.</p> <p>PhD Thesis Reviewer <i>School of Planning and Architecture, Vijayawada</i> Floor Space Index and Liveability of Residential Neighborhoods: Establishing Linkages for Retrofitting, 2020</p> <p><i>University of Auckland, New Zealand</i> Unreinforced Masonry Precincts in New Zealand: History, Heritage, and Seismic Retrofit, 2019</p> <p><i>Indian Institute of Technology Bombay, Mumbai</i> Experiential Indoor Environmental Quality in Slum Rehabilitation Houses of the Global South: A case of Mumbai, India, 2020</p> <p>Evaluating Recreational Open Spaces: A Multisectoral Approach for the Indian Context, 2018</p> <p><i>Savitibai Phule Pune University</i> Fire Safety of Healthcare Facilities in Urban Areas with reference to Evacuation Process, 2018</p> <p><i>University of Mysore</i> Planning For Sustainable High Density Housing - A study to explore possibilities for protecting urban environment of Mysore, 2017-18</p>
PHD GUIDANCE	<p>Awarded: 03 2018 <i>Sumanta Deb:</i> The Optimization of Tenanting Decision Making in Planned Shopping Malls <i>Sutapa Joti:</i> Earthquake Vulnerability Assessment of Buddhist Monasteries in Sikkim 2020 <i>Hari Kumar:</i> The Strategic Role of Mitigation Planning for Earthquake and Landslide Prone Indian Hill Towns: Case Study Aizawl</p>
INTERVIEW BOARDS	<p>Member, Selection Committee for faculty positions in Architecture, Mizoram University, July 9, 2019 and March 14, 2016</p> <p>Member, Selection Committee for faculty positions in Architecture, Jadavpur University, October, 2016, June 2017</p> <p>Member, Selection Committee for faculty positions in Centre for Urban Science and Engineering, IIT Bombay, August 14, 2017</p> <p>Member, Selection Committee for faculty positions in the Department of Architecture at National Institute of Technology, Rourkela, December 3-4, 2017</p>

Technical publications and presentations

Book

1. Brzev, S. & **Mitra, K.** Earthquake Resistant Confined Masonry Construction. National Information Centre for Earthquake Engineering, IIT Kanpur, December 2018. ISBN 978-93-80903-06-04.
2. Deb, S. & **Mitra, K.** Economic Rationale for Visual Configuration of Space. LAP Lambert Academic Publishing, December, 2016. ISBN-13: 97833330019997; ISBN-10: 3330019999.
3. Deb, S. & **Mitra, K.** Economic Rationale for Visual Configuration of Space for Rent and Tenanting Decision in Shopping Malls. Grin Publishing, December, 2016. ISBN-13: 9783668367333;
4. Deb, S. & **Mitra, K.** Spatial Economics of Shopping Malls. A Configurational Approach in Rent and Tenanting Decision. Grin Publishing, March, 2016. ISBN-13: 9783668168046; ISBN-10: 3668168040
5. Murty, C.V.R., Kumar, H., **Mitra, K.**, Rai, D.C., Bose. A Methodology for documenting Housing Typologies in the Moderate-Severe Seismic Zones of India. Building Materials and Technology Promotion Council Ministry of Urban Development and Poverty Alleviation New Delhi.

BOOK CHAPTER

1. **Mitra, K.** The Calcutta Chronicles. From Calcutta to Kolkata. In Geropanta, V & E. Lucantoni (eds) Projects For: Kolkata The regeneration of the Hooghly riverfront. Aracne editrice int.le SRL, Rome. June 2015. ISBN: 978-88-548-8550-9.
2. Weisman, G.D., Cohen, U., **Mitra (Ray), K.**, and Day, K. Architectural Planning and Design for Dementia Care Units. Chapter V in Coons, D. (Ed.) Specialized Dementia Care Units. Baltimore, MD: Johns Hopkins University Press, 1991.

JOURNALS AND CONFERENCE PROCEEDINGS

1. Joti, S. and **Mitra, K.**, 2018. Seismic Retrofitting Strategy of the Historic Monasteries In Sikkim, India, after the 2011 M 6.9 Sikkim Earthquake. Proceedings of the
2. Deb, S. and **Mitra, K.**, 2018. Visibility, Shopper Characteristics and Navigation: An Integrated Approach in Tenanting Decision Making. International Journal of Architecture, Engineering and Construction. Vol 7, No. 2. pp. 20-27.
3. Deb, S. and **Mitra, K.**, 2017. Explaining Navigation in Shopping Malls through Shopper Characteristics; A Support System for Tenanting Decision Making. Presidency Journal of Management Thought and research. Vol VII, No. 2, July-Dec 2017. ISSN 2229-5275. pp. 3-20.
4. Joti, S., and **Mitra, K.**, 2017. Performance of Masonry Monastery Structures in the M 6.9 Sikkim Earthquake of 18 September 2011: A General Overview. In Caner-Saltik, E.N, Tavukcuoglu, A. and Zezza, F (Eds). Proceedings of the 9th International Symposium on the Conservation of Monuments in the Mediterranean Basin: Improvements in Conservation and Rehabilitation-Integrated Methodologies. Middle East Technical University, Ankara, Turkey. ISBN 978-605-66435-7-6. pp. 301-312.
5. Joti, S., and **Mitra, K.**, 2017. Qualitative Analysis for Seismic Vulnerability Assessment of the Historic Monastery Buildings in Sikkim. Proceedings of the International Conference on Sustainable Built Environment (SBE), February 3 and 4, 2017, IIT Roorkee, India, pp.
6. Bhor, M. and **Mitra, K.**, 2017. Towards a Sustainable Built Environment: Studying Changes in Vulnerability Through a Focused Dynamic Composite Index Development in South 24–Parganas, West Bengal. Poster presentation at the International Conference on Sustainable Built Environment (SBE), February 3 and 4, 2017, IIT Roorkee, India. Recipient of Best Poster Award.
7. Joti, S., and **Mitra, K.**, 2016. Earthquake resistant traditional knowledge systems in the Sikkim monasteries, India, in the 2011 M 6.9 Sikkim earthquake: Lessons learnt. Proceedings of the International Conference on Earthquake Engineering and post disaster reconstruction planning (ICEE-PDRP 2016), April 24-26, 2016, Bhaktapur, Nepal, pp.
8. Jain, S.K., Brzev, S., Basu, D., Rai, D.C. and **Mitra, K.**, 2016. Confined Masonry Construction for Improved Seismic Safety of Buildings in India. Presentation at the International Conference

- on Emerging Building Materials and Construction Technologies, New Delhi, March 21-22, 2016. Building Materials and Technology Promotion Council, Ministry of Housing and Urban Poverty Alleviation, Government of India, pp. 225-235.
9. Joti, S. & **Mitra, K.**, 2014. "Performance of Masonry Monastery Structures in the M 6.9 Sikkim (India-Nepal Border) Earthquake of 18 September, 2011:: A Lesson. Poster presentation at the 2nd European Conference in Earthquake Engineering and Seismology, Istanbul, Turkey. August 24-29, 2014.
 10. Joti, S. & **Mitra, K.**, 2014. "Sustainable Technologies Used In Vernacular Earthquake Resistant Structures'. In Proceedings of the National Symposium on Sustainability and the Built Environment: Searching for Synergies, Kolkata. February, 2014.
 11. **Mitra, K.**, Ailawadi, S., Rai, D.C. Initiatives in Educating Future Architects in Earthquake Resistant Design Practices. Seismological Research Letters, Volume 84, Number 5, September/October 2013, pp 820-828.
 12. Murty, C.V.R., Rai, D.C., Kumar, H., **Mitra, K.**, Bose, A.K., Kaushik, H.B., Kumar, R.P., Jaiswal, A., 2012. A Methodology for documenting Housing Typologies in the Moderate-Severe Seismic Zones. Proceedings of the 15th World Conference on Earthquake Engineering. Lisbon, Portugal, September 24-28, 2012, CD Paper ID:
 13. Rai, D.C., Mondal, G., Singhal, V., Parool, N., Pradhan, T & **Mitra, K.**, 2012. The M 6.9 Sikkim (India–Nepal Border) earthquake of 18 September 2011, Current Science (vol. 102) May 2012. ISSN 0011-3891.
 14. Rai, D.C., Mondal, G., Singhal, V., Parool, N., Pradhan, T & **Mitra, K.**, 2012. Reconnaissance report of the M6.9 Sikkim (India–Nepal border) Earthquake of 18 September 2011, Geomatics, Natural Hazards and Risk, 2012. ISSN 1947-5705 (Print).
 15. Mitra, K., "Workshop for Architecture students," The Indian Concrete Journal, Vol. 85, No.1, 2011, pp. 51-54
 16. Jain, S. K., **Mitra K.**, Kumar M., and Shah, M., 2010. A Proposed Rapid Visual Screening Procedure for Seismic Evaluation of RC Frame Buildings in India. Earthquake Spectra, 2010, 26. ISSN: 8755-2930.
 17. Jain, S.K., **Mitra, K.**, Kumar, M., and Shah, M., 2010, "A Rapid Visual Seismic Assessment Procedure for RC Frame Buildings in India", Proceedings of the Ninth U.S. National and Tenth Canadian Conference on Earthquake Engineering, CD-ROM, Paper No. 972, Toronto, Canada, 25-29 July.
 18. **Mitra, K.** (2008). Safety in the built environment vis-à-vis Seismic vulnerabilities of some common urban architectural features. In Proceedings of the Conference of the South Asian Association of Regional Cooperation of Architects (SAARCH 2008), New Delhi, March 12-14, 2008.
 19. **Mitra, K.** (2008). Urban earthquake vulnerability:: Revisiting some common interpretations of building rules in urban areas. In Proceedings of the International Conference on Construction: Managing Seismic Risk organized by the Construction Industry Development Council (CIDC) and National Disaster Management Authority (NDMA), New Delhi, 30-31 January, 2008.
 20. **Mitra, K.** (2006). Strategies for Managing Seismic Risk: A Road Map for Kolkata. Kindler. Journal of the National Institute of Management, Calcutta. Vol. VI • No. 1 • January-June 2006.
 21. **Mitra, K.** (2006). Conceptualizing the Architecture-Earthquake Resilience Interface in Architectural Practice. In CD ROM Proceedings of the National Workshop on Earthquake Resistant Design for the Built Environment. Kolkata, January 6-7, 2006.
 22. Mitra, K., "Architecture and the Social Sciences-Towards a people oriented approach to architectural design practice" Archi Design Perspective, Volume I, Issue 9-10, 2003, pp 47-50.
 23. Mitra, K., "Architecture and the Social Sciences—Towards a People Oriented Approach in Architectural Design", Proceedings of the Four Faces Conference, Stockholm-Helsinki, May 8-11, 2003, CD ROM.
 24. Mitra, K., "Facilitating Facility Planning Through Design Guides", Proceedings of the 5th International Conference on Design and Decision Support Systems in Architecture and Urban Planning (ISBN 1-4020-2408-8), Nijkerk, Netherlands, 2000, pp. 204-214

25. Mitra, K. & Halder, M, "Industrial Resurgence and Urbanization: An Environmental Perspective," Proceedings of the Workshop on Industrial Resurgence and Urban Development prospects in West Bengal, Kolkata, 1997.

TECHNICAL REPORTS

1. Murty, C.V.R, Mitra. K, Sarkar. A, and Kumar. H. "Documentation of Amethi disaster resilient appropriate technology Housing project." Building Materials and Technology Promotion Council, Government of India, 2012.
2. Holmes, W.T., Rodgers, J.E., Mitra. K and Kumar. H. "Seismic vulnerability assessment of Non-structural elements at Bir Hospital, Kathmandu." South East Asia Regional Office of the World Health Organization, GeoHazards International, Palo Alto, California, 2012.
3. Holmes, W.T., Rodgers, J.E., Mitra. K and Kumar. H. "Seismic vulnerability assessment of Non-structural elements at KantiChildren's Hospital, Kathmandu." South East Asia Regional Office of the World Health Organization, GeoHazards International, Palo Alto, California, 2012.
4. Holmes, W.T., Rodgers, J.E., Mitra. K and Kumar. H. "Seismic vulnerability assessment of Non-structural elements at Paropakar Maternity Hospital, Kathmandu." South East Asia Regional Office of the World Health Organization, GeoHazards International, Palo Alto, California, 2012.
5. Mitra. K and Kumar. H. "Documentation of retrofitting of MCD primary School, Lajpat Nagar." Building Materials and Technology promotion Council, Government of India, 2011.
6. Mitra. K and Kumar. H. "Documentation of retrofitting of MCD primary School, VivekVihar." Building Materials and Technology promotion Council, Government of India, 2011.
7. Cohen, U., Weisman, G.D., Mitra (Ray), K., Day, K, "Environments for People with Dementia: A Regulatory Analysis," Washington DC: Health Facilities Research Program, of the American Institute of Architects and the Association of Collegiate Schools of Architecture, 1989.
8. Cohen, U., Weisman, G.D., Mitra (Ray), K., Steiner, V., Rand, J., and Toyne, R., "Environments for People with Dementia: Case Studies." Washington DC: Health Facilities Research Program, of the American Institute of Architects and the Association of Collegiate Schools of Architecture, 1988.
9. Cohen, U., Weisman, G.D., Mitra (Ray), K., Steiner, V., Rand, J., and Toyne, R., "Environments for People with Dementia: Design Guide." Washington DC: Health Facilities Research Program, of the American Institute of Architects and the Association of Collegiate Schools of Architecture, 1988.

INVITED LECTURES

1. Mitra, K. (2017). Seminar presentation titled Evolution of building bye laws vis-a-vis seismic safety: the case of Kolkata, held at the Department of Architecture, Sapienza University, May 9, 2017.
2. Mitra, K. (2017). Seminar presentation titled Cities of the developing world with emphasis on urbanization in India in general and Kolkata in particular, held at the Department of Architecture, Sapienza University, May 8, 2017.
3. Mitra, K. (2017). Seminar presentation titled Urban History of Kolkata from colonial to the contemporary held at the Department of Architecture, Sapienza University, May 8, 2017.
4. Mitra, K. (2017). Seminar presentation titled Earthquake resistant traditional construction typologies in the seismically hazardous areas of India. An example of sustainable approach towards masonry monuments in a seismically hazard prone area in India.
5. Mitra, K. (2013). Invited Lecture at Inception Workshop for the studies towards Preparation of Compendiums for "greening" of rural housing organized by the Ministry of Rural Development, Government of India, UNDP, and HUDCO. New Delhi, December 19, 2013.
6. Mitra, K. (2012). Invited Lecture at the Workshop on Sikkim Earthquake 2011 at the National Institute of Disaster Management (NIDM), New Delhi on February 9, 2012.
7. Mitra, K. (2011). Earthquake Hazard in North-Eastern India. Invited presentation at the Rotary Club of Kalimpong, September 29, 2011.
8. Keynote Speaker at the Young Architects Forum (YAF 2010), Jaipur, February 7, 2010.

9. Mitra, K., Jain, S.K., Kumar, M. & Shah, M. (2009). A Proposed Rapid Visual Screening Procedure for Seismic Evaluation of RC Frame Buildings in India. Invited presentation at the 2nd India Disaster Management Congress in New Delhi, during November 4-6, 2009.
10. Ambuja Lecture on Seismic Evaluation of RC frame buildings—a view from the sidewalk delivered to an audience of 200+ professional engineers and architects at the Institute of Engineers Maharashtra Chapter in Mumbai on November 13, 2009.
11. Invited lecture during the Golden Jubilee NASA held at MANIT Bhopal during December 28-31, 2007, on Architecture and Seismic Safety of the Built Environment—a journey through the ages.
12. Invited presentation titled “Mapping the Seismic Vulnerability of Kolkata” at the National Workshop on Science and Technology in Disaster Management—Earthquake, Landslide and Tsunami organized by the National Disaster Management Authority, Government of India in New Delhi on April 2 and 3, 2007

WORKSHOPS AND TECHNICAL MEETINGS

1. Discussion Meeting on Earthquake Safety Assessment of Buildings in India at IIIT Hyderabad, 30-31 August 2017. NDMA, Government of India.
2. ACE Advances in Civil and Infrastructure Engineering. June 12-13, 2015 at Vietri sul Mare, Italy.
3. OpenSees Days. 2nd Italian Conference. June 10-11, 2015 at the University of Salerno, Italy.
4. 6th International Conference on FRP Composites in Civil Engineering, Rome, Italy, June 13-15, 2012
5. Open Sees Days Roma, May 24-25, 2012
6. Governare Il Rischio Roma, May 14, 2012
7. National Workshop on Seismic Retrofitting Policy. Building Materials Technology Promotion Council, Ministry of Housing and Urban Poverty Alleviation, Govt. Of India and Indian Institute of Technology Gandhinagar. IIT Gandhinagar, October 22, 2010.
8. International Strategy Meet on the Global Dissemination of Confined Masonry Technology, National Information Centre of Earthquake Engineering Education (NICEE)—IIT Kanpur, Earthquake Engineering Research Institute (EERI), California and World Seismic Safety Initiative (WSSI), Singapore. IIT Kanpur, January 26-28, 2008.
9. Attended through invitation—National Workshop on Introducing Earthquake Resistant Design in Architecture Curriculum organized by the National Programme for Earthquake Engineering Education (NPEEE) under Ministry of Home Affairs, Govt. of India, IIT Kanpur, November, 28-29, 2004.
10. Mitra, K., Jain, S.K., & Shah, M. (2009). A Proposed Rapid Visual Screening Procedure for Seismic Evaluation of RC Frame Buildings in India. Presentation at the WCCE-ECCE-TCCE Joint Conference on Earthquake and Tsunami, being organized by the European Council of Civil Engineers (ECCE), Turkish Chamber of Civil Engineers (TCCE), and World Council of Civil Engineers (WCCE) in Istanbul, Turkey, during June 22-24, 2009.
11. Mitra, K. (2007). Seismic Vulnerability of Urban Settings: the Role of Building Bye Laws. A Case Study of Kolkata, India. Paper presented at the 7th International Urban Planning and Environment Conference (UPE 7), Bangkok, Thailand, January 3-5, 2007.

Activities in Earthquake Disaster Risk Mitigation

ASSESSMENT

1. Earthquake Risk Assessment of Non-Structural Elements at 3 Tertiary Referral Hospitals in the Kathmandu Valley, a World Health Organization Initiative
2. Earthquake Risk Assessment of Structural and Non-Structural Elements at the 150 bed BMC Hospital at Silchar, India.

3. Member of the International Review Committee constituted by Geohazards International for reviewing the Training materials for Hospital Earthquake Safety in India focusing the role of Non-structural elements in Hospital buildings.
4. Tripura Pilot and Tripura 380 school RVS exercise
5. GNRC Assessment

OUTREACH ACTIVITIES

AS PARTICIPANT

NPEEE Short Term Course on Earthquake Resistant Structures for Architecture held at Department of Architecture and Planning, IIT Roorkee, August 8-12, 2005.

AS ORGANIZER

Organizing Secretary of National Workshop on Earthquake Resistant Design for the Built Environment held in the Department of Architecture, Town & Regional Planning, Bengal Engineering and Science University, Shibpur, January 6-7, 2006 with 200+ participants from government agencies, academic and research institutes, local self governments and practicing professionals from architecture and civil engineering.

AS CO-COORDINATOR AND RESOURCE FACULTY

1. Resource faculty in the 2 day Engineers Training on Earthquake Risk Mitigation conducted by Assam State Disaster Management Authority (ASDMA) at State Institute of Rural Development (SIRD), Guwahati, during October 2-3, 2013.
2. Resource faculty in the 2 day Engineers Training on Earthquake Risk Mitigation conducted by Assam State Disaster Management Authority (ASDMA) at State Institute of Rural Development (SIRD), Guwahati, during September 30-October 1, 2013.
3. Coordinated the National Workshop on Earthquake Resistant Practices for Undergraduate Students of Architecture held at IIT Kanpur during July 2013 under the aegis of NICEE to sensitize the students of architecture in earthquake resistant design practices through technical lectures followed by design studios.
4. Coordinated the National Workshop on Earthquake Resistant Practices for Undergraduate Students of Architecture held at IIT Kanpur during July 2011 under the aegis of NICEE to sensitize the students of architecture in earthquake resistant design practices through technical lectures followed by design studios.
5. Coordinated the National Workshop on Earthquake Resistant Practices for Undergraduate Students of Architecture held at IIT Kanpur under the aegis of NICEE, during July 2010 to sensitize the students of architecture in earthquake resistant design practices through technical lectures followed by design studios.
6. Resource faculty in the 2 day workshop on Architecture for Safer Buildings in Earthquakes held at the Kamla Raheja College of Architecture and Environmental Studies Mumbai during November 13-14, 2009 under the National Programme for Capacity Building of Architects in Earthquake Risk Mitigation (NPCBAERM)—a Ministry of Home Affairs (GoI) initiative.
7. Resource faculty in the National Institute of Disaster Management (NIDM), Government of India sponsored training programme conducted by Government of Meghalaya at Meghalaya Administrative Training Institute, Shillong, during August 3-4, 2009 for Architects on Earthquake Risk Mitigation.
8. Resource faculty in the National Institute of Disaster Management (NIDM), Government of India sponsored training programme conducted by Government of Meghalaya at Meghalaya Administrative Training Institute, Shillong, during August 5-6, 2009 for Engineers on Earthquake Risk Mitigation.
9. Resource faculty in the National Institute of Disaster Management (NIDM), Government of India sponsored training programme conducted by Government of Assam at Assam

- Administrative Staff College, Guwahati, during July 28-29, 2009 for engineers on Earthquake Risk Mitigation.
10. Coordinated the National Workshop on Earthquake Resistant Practices for Undergraduate Students of Architecture held at IIT Kanpur during July 2009 under the aegis of NICEE to sensitize the students of architecture in earthquake resistant design practices through technical lectures followed by design studios.
 11. Resource faculty in the National Institute of Disaster Management (NIDM), Government of India sponsored training programme conducted by State Institute of Public Administration and Rural Development (SIPARD) at Agartala, Tripura from February 9-13, 2009 for engineers in the Department of Rural Development and PWD.
 12. National Workshop on Earthquake Resistant Practices for Undergraduate Students of Architecture held at IIT Kanpur during July 2008 to sensitize the students of architecture in earthquake resistant design practices through technical lectures followed by design studios.

Honours & Privileges

POST DOCTORAL FELLOW
ERASMUS MUNDUS PROJECT EURASIAN UNIVERSITIES NETWORK FOR
INTERNATIONAL COOPERATION IN EARTHQUAKES (EUNICE)
DIPARTIMENTO DI INGEGNERIA STUTTURALE E GEOTECHNICA
SAPIENZA UNIVERSITA DI ROMA

NATURAL HAZARDS CENTRE
UNIVERSITY OF COLORADO AT BOULDER
MARY FRAN MYERS SCHOLARSHIP, 2011

For attending the 2011 Hazards Research and Applications Workshop, from July 9-12 in Broomfield, Colorado. This scholarship recognizes outstanding individuals who are committed to disaster research and practice and who have the potential to make a lasting contribution to reducing disaster vulnerability.

INDIAN NATIONAL ACADEMY OF ENGINEERING (INAE)
MENTORING OF ENGINEERING TEACHERS BY INAE FELLOWS

Received the fellowship to work in Earthquake Engineering at IIT Kanpur under Professor Sudhir K Jain, FINAE during Summer 2008

NPEEE INTERNATIONAL TRAVEL GRANT, 2007

Awarded by the National Programme of Earthquake Engineering Education, Ministry of Human Resource Development, Government of India to attend and present a research paper at the UPE 7 Conference, Bangkok, Thailand

RESEARCH AWARD, 1990

School of Architecture and Urban Planning
University of Wisconsin-Milwaukee, USA

PROGRESSIVE ARCHITECTURE CITATION, 1990

Member of the Award winning Team for Holding on to Home:
Designing Environments for People with Dementia

DESIGN EDUCATOR AWARD, 1990

Member of the Award winning Team for Holding on to Home:
Designing Environments for People with Dementia