

RANDOLPH LANGENBACH

List of Publications, Photographic Exhibitions, Films, and Plenary Addresses updated 2015

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BOOKS AND PUBLISHED PROFESSIONAL REPORTS

(For complete text of many of the articles below, go to PUBLICATIONS at www.conservationtech.com)

- Forthcoming Commissioned Book Chapter: *The earthquake resistant vernacular architecture in the Himalayas*, in the forthcoming book: Local Seismic Culture in Vernacular Architecture, Edited by Mariana Correia, Paulo Lourenço and Humberto Varum, to be published in Portugal by CRC press/ Taylor & Francis group.
- Forthcoming Commissioned Book Chapter: *What We Learn from Vernacular Construction*, in forthcoming book: Nonconventional and Vernacular Construction Materials: Characterisation, properties and applications, Edited by Professor Kent A. Harries, University of Pittsburgh, USA and Dr. Bhavna Sharma, University of Cambridge, UK, to be published by Woodhead Publishers/ Elsevier, London. 2009 *Don't Tear It Down! Preserving the Earthquake Resistant Vernacular Architecture of Kashmir*, published by UNESCO, New Delhi, 2009. Republished for distribution in the USA and Europe by Oinfroin Media, Oakland, California, 2009. *Currently in print*. For information on this book on the web, see www.traditional-is-modern.net.
- 2007 The Preservation of the Earthquake-Resistant Traditional Construction of Kashmir, to be published by UNESCO-New Delhi, 2007. (An on-line draft copy can be found on the website: www.traditional-is-modern.net.)
- 2005 Survey Report on Northern Kashmir (India) Earthquake of October 8, 2005, Earthquake Engineering Research Institute (EERI), November, 2005.
- 1998 "Architectural Issues in the Seismic Rehabilitation of Masonry Buildings," in Disaster Management Programs for Historic Sites, Dirk Spennemann and David Look, Editors, U.S. National Park Service/APT/Charles Sturt University, 1998. Published on the web at www.conservationtech.com & http://life.csu.edu.au/disaster/conf95/SFO_Lang.html
- 1990 "The Good and the Evil: The Preservation of Monuments with a Negative Symbolic Image," in Changing Places: Remaking Institutional Buildings, Marcia Feuerstein, Barbara Campagna, and Linda Schneekloth, Editors, White Pine Press, 1990. Published on the web at www.conservationtech.com.
- 1988 Cascade Ranch Bunkhouse, An Historic Structure Report, California Coastal Conservancy, State of California. (Merit Award, California Preservation Foundation, 1989.)
- 1988 Cowell Ranch Cooperage, An Historic Structure Report, University of California, Santa Cruz. (co-author with John McKelvey).
- 1985 Reclaiming the Past for the Future. The Bangor Central Area Revitalization Ordinance, City of Bangor 1985.
(co-author with Lane, Frenchman and Associates, Boston.)
- 1984 Epilogue: "Continuity and Sense of Place; The Importance of the Symbolic Image," in Mental Health in the Environment, Hugh Freeman, F.R.C.Psych., Editor, Churchill Livingstone, London.

- 1983 "A Future From the Past," in Readings in Historic Preservation, N. Williams, E. Kellogg & F Gilbert, Editors, New Brunswick, Center for Urban Policy Research, 1983, p61-69. (Reprint of a section from A Future From the Past, by Randolph Langenbach, 1978.)
- 1981 "Living Places, Work Places, and Historical Identity," in Our Past Before Us, Why Do We Save It, David Lowenthal and Marcus Binney, Editors, Temple Smith, London: (co-author)
- 1980 Preservation Plan of the Lowell Historic Preservation Commission, 2 Vols, U.S. Department of the Interior, G.P.O.
(co-author was a principal on the Moore-Heder Team, Cambridge, Mass.)
- 1979 Satanic Mills, The Conservation of the Pennine Textile Mills, save Britain's Heritage, London. (principal co-author & photographer)
- 1978 Amoskeag, Life and Work in an American Factory City, Pantheon Books, Random House, New York City. (co-author with Tamara Hareven) Also published in England by Methuen, London.
- 1978 A Future From The Past: The Case for the Conservation and Reuse of Old Buildings in Industrial Cities, U.S. Dept. of Housing and Urban Development, G.P.O.
- 1977 Report of the Lowell Historic Canal District Commission to the Ninety Fifth Congress of the United States, U.S. Govt. Printing Office 1977.
(co-author as part of the Lowell Team, Architects and Planners)
- 1977 Between Past and Present: Observations on the History and Conservation of Nineteenth Century Industrial Buildings, Dissertation for Diploma in Conservation Studies, Institute of Advanced Architectural Studies, York, England, 1977.

SELECTED INVITED KEYNOTE ADDRESSES and INVITED LECTURES, 2000-present

- Invited Keynote Speaker, **3rd UN World Conference on Disaster Risk Reduction (WCDRR)**, International Expert Meeting on Cultural Heritage Disaster Risk Management, organized by UNESCO, ICCROM, the National Institutes for Cultural Heritage in Japan (NICH), and the Japanese Government Agency for Cultural Affairs (ACA) March 2015.
- Invited Keynote Speaker, **World Conference on Timber Engineering (WCTE)** Quebec City, Cn. October 2014. (Movie of address available on www.conservationtech.com)
- Invited Architect in Residence and Public Speaker. **13th Annual Canova International Architect Encounter**, Canova, Italy, June 2014. (Movie of address and information on Encounter available at www.canovacanova.com/#!/homee/c8zs)
- Invited Keynote Speaker, **International Scientific Colloquium on Flood Protection and Heritage Conservation on Rivers and Streams**, Dresden, Germany, June, 2014.
- Invited Keynote Speaker, **1st International Symposium on Historic Earthquake-Resistant Timber Framing in the Mediterranean Area (HEaRT2013)**, Calabria, Italy, November 2013.
- Invited TED Speaker, **TED^x Amoskeag Millyard (Independently organized TED (Technology, Entertainment and Design) event), "Reconsidering Sustainable Architecture."** Manchester, New Hampshire, USA. November 2, 2013. (movie of address is available by link from www.conservationtech.com)
- Invited Keynote Speaker, **International Conference on Earthen Construction (KERPIC 2013): New Generation Earthen Architecture: Learning from Heritage**, Aydin University, Istanbul, Turkey, 11-14 September, 2013.
- Invited Keynote Speaker, **2nd International Conference on Structures and Architecture (ICSA2013)**. University of Minho, Guimarães, Portugal, July 24-26, 2013. Also, Invited Keynote Speaker at the **MiniSymposium on Timber** held following the ICSA2013.

- Invited Seminar Speaker, **Scientific Seminar: “Disaster-Resistant Building Cultures,” CRATERre-ENSAG, National School of Architecture, Grenoble, France, 27-28 May 2013.**
- Invited Keynote Speaker, **The Environment, Risk Reduction and Adaption (TERRAmela), SEEDS, New Delhi, 17-20 December 2012.** (Lecture done by movie followed by remote live Q&A) (Movie of talk available at www.conservationtech.com.)
- Invited Keynote Speaker, **45th Institution of Engineers, Pakistan (IEP) Convention, Karachi Centre, Karachi, Pakistan, 21-22 December 2012.** (Lecture done by movie followed by remote live Q&A) (Movie of talk available at www.conservationtech.com.)
- Plenary Address, **“Was Haiti in 2010 the next Tangshan 1976?” ICOMOS Symposium: Reducing Risks to Cultural Heritage from Natural and Human-Caused Disasters, Beijing, China, 31 October 2012.** (Movie of talk available at www.conservationtech.com.)
- Invited University Lecture, **Department of Engineering Science, Oxford University, March 6, 2012.**
- Invited International Speaker, **Institution of Structural Engineers, London, England, 27 February 2012.**
- Invited Keynote Speaker: **21st World Conference on Disaster Management (WCDM), Toronto, Canada, June 2011.**
- Invited Professor and Keynote Speaker: **BH CICOP Conference, Faculty of Engineering and Faculty of Architecture, University of Sarajevo, Sarajevo, Bosnia and Herzegovina, June 2011.**
- Expert International participant: **NERA/GEM Taxonomy Workshop, EU Centre, Faculty of Engineering, University of Pavia, Pavia, Italy, May, 2011.**
- Invited Professor: **ICOMOS-ISCARSAH Workshop: Hurricanes and Earthquakes: Lessons Learned, Havana, Cuba, May 2011.**
- Invited University Lecture: **Faculty of Architecture Centre for Environmental Planning & Technology University, Ahmedabad, India, February 2011**
- Invited University Lecture: **V.V.P. Engineering College, Indubhai Parekh School of Architecture-Rajkot, Gujarat, India, February 2011.**
- Invited University Lecture: **Lukhdhirji Engineering College, Morbi, Gujarat, India, February 2011.**
- Expert International Keynote Speaker: **International conference on ‘Healthy Cities : A Perspective on Asian concerns’, Bhanuben Nanavati College of Architecture for Women, Pune, India, February 2010.**
- Plenary Address: **“Growing Green, Traditional Building and Sustainable Development” Conference, INTBAU, The International Network for Traditional Building, Architecture and Urbanism, Chicago, 20-23 October 2010.**
- Plenary Address: **Pictometry “FutureView 2010” Conference, Orlando, Florida, USA, 24-27 October 2010.**
- Invited Keynote Speaker: **International Association of Emergency Managers (IAEM) “Asia-Oceania Resilience” Conference (AOR 2010), Singapore, October 2010.**
- Invited Keynote Speaker, **Mini-Symposium on Timber Construction, 1st International Conference on Structures & Architecture (ICSA2010), University of Minho, Guimarães, Portugal, July 2010.**
- Invited Keynote Speaker, **8th International Masonry Conference, Dresden, Germany, July 2010.**
- Invited Keynote Speaker, **1st International Conference on Rural Settlements, Tehran, Iran, May 2010** (Unable to attend because visa was not issued in time).
- Invited Keynote Speaker, **1st International Conference on Concrete Technology, Tabriz, Iran, November 2009** (Unable to attend because visa was not issued in time).

- Invited Lecture, *Creative Destruction: Timber and Masonry Earthquake Resistant Construction before the Age of Steel and Reinforced Concrete*, **Earthquake Hazards Program Seminar Series, USGS**, November, 2008. (A link to a video of this entire lecture with the slides is on www.conservationtech.com)
- Invited Keynote Speaker: *Ancient and Modern Earthen Construction in an Earthquake: The Example of Bam, Iran in 2003*, **Kerpic 2008-Learning from Earthen Architecture in Climate Change, International Conference, Lefkosa**, Northern Cyprus, September 2008.
- Invited Keynote Speaker, *Parades Polumbalinas, and the 'Invention' of Earthquake-Resistant Construction*, **International Seminar on Seismic Risk and Rehabilitation of Stone Masonry Housing, Horta**, Azores, July, 2008.
- Invited University Lecture: **National Institute of Technology, Srinagar**, Kashmir, India, 2007.
- Invited Keynote Speaker, **International Conference on Geo-environment, Jammu University Geology Alumni Association, Jammu**, Jammu & Kashmir, India, 2007.
- Invited Plenary Address: *From 'Opus Craticium' to the 'Chicago Frame,' Earthquake-resistant Traditional Construction*, **Structural Analysis of Historical Constructions Conference (SAHC)**, New Delhi, 2006.
- Special Post-earthquake Invited Lecture on traditional earthquake-resistant construction in Pakistan, **for Pakistan Government officials and government engineers involved with the 2005 Kashmir earthquake recovery and reconstruction. Special Lecture organized by UN-HABITAT, Islamabad**, Pakistan, 2006.
- Invited Keynote Speaker, *Lessons that can be learned from the Performance of Traditional Construction in Earthquakes*. **Int'l Symposium on Natural and Human-Made Hazards Conference, Antalya**, Turkey, 2002.
- Invited Workshop Speaker, *The Performance of Traditional Construction in the Bhuj and Kocaeli Earthquakes: Demonstrating the Performance of Brittle Materials*, **APT Annual Conference Workshops (combined)**, 2001: (Published as an article in the [APT Bulletin](http://www.conservationtech.com), Vol. XXXIII, No. 2&3, available on www.conservationtech.com)
- Invited Keynote Speaker, *An Analysis Of The Effects Of The Bhuj Earthquake On Traditional Unreinforced Masonry Construction* **International Conference on Seismic Hazard with particular reference to Bhuj Earthquake of January 26, 2001, Delhi**, India, October 3-5, 2001.
- Invited Keynote Speaker, *Intuition from the Past: What we can learn from traditional construction*, **ICOMOS/UNESCO Conference on Seismic Performance of Traditional Buildings, Istanbul**, Turkey, November, 2000.

ARTICLES FOR JOURNALS, MAGAZINES & PROCEEDINGS and SELECTED LECTURES

(For complete text of many of the articles below, go to PUBLICATIONS at www.conservationtech.com)

- 2014 *Rubble Stone Walls and Reinforced concrete Frames, Heritage Structures Reveal the Hidden Truth about Risk and Resilience during the Haiti Earthquake*, ICOMOS-ISCARSAH (International Scientific Committee on the Analysis and Restoration of Structures of Architectural Heritage) Newsletter, Issue #5, 2014.
- 2013 Keynote Address Paper: *Timber Frames and Solid Walls: Earthquake Resilient Construction from Roman Times to the Origins of the Modern Skyscraper*, 1st International Symposium on Historic Earthquake-Resistant Timber Frames in The Mediterranean Area (H.Ea.R.T.2013), Cosenza, Calabria, Italy, November 2013.

- 2013 Keynote Address Paper: *The Great Counterintuitive: Re-evaluating Historic and Contemporary Building Construction for Earthquake Collapse Prevention*. International Conference on Structures and Architecture, Guimarães, Portugal, July 2013
- 2013 Keynote Address Paper: *Better than Steel? (Part 2) Tall Wooden Factories and the Invention of "Slow-burning" Heavy Timber Construction*. MiniSymposium on Building Tall Buildings with Wood, International Conference on Structures and Architecture, Guimarães, Portugal, July 2013
- 2012 Plenary Address Paper: *Was Haiti in 2010 the next Tangshan in 1976: Heritage Structures Reveal the Hidden Truth about Risk and Resilience during the Haiti Earthquake*, Proceedings of the ICOMOS Scientific Symposium on 'Reducing Risks to Cultural Heritage from Natural and Human-Caused Disasters, Beijing, China, 31 October, 2012.
- 2011 Keynote Address Paper: *Ancient Construction Technologies that can Protect Modern Buildings From Collapse in Earthquakes*, Proceedings of CICOP Pre-conference of the of the Biennale of the Architectural and Urban Spaces (BRAU), The 4th International Conference on Hazards and Modern Heritage, University of Sarajevo, Sarajevo, June 13-16, 2011.
- 2011 Keynote Address Paper: *Back to the Future: Lessons from the Past for a more Earthquake-Resistant City*, Proceedings of the BNCA "Healthy Cities" International Conference, February 2011.
- 2010 Invited Lecture paper: *'Earthquake Resistant Traditional Construction' is Not an Oxymoron: The Resilience of Timber and Masonry Structures in the Himalayan Region and Beyond, and its Relevance to Heritage Preservation in Bhutan*, The Royal Government of Bhutan's International Conference on Disaster Management and Cultural Heritage: "Living in Harmony with the Four Elements" Proceedings, 12-14-December 2010.
- 2010 Keynote Address paper: *Rescuing the Baby from the Bathwater: Traditional Masonry as Earthquake-Resistant Construction*, 8th International Masonry Conference, Dresden Germany, July, 2010.
- 2010 Keynote Address paper: *Better than Steel? The use of timber for large and tall buildings from Ancient Times until the Present*. for the Mini-Symposium on Building Tall Buildings with Wood, International Conference on Structures and Architecture, University of Minho, Guimarães, Portugal, July 2010
- 2008 "Learning from the Past to Protect the Future: Armature Crosswalls," Engineering Structures, Vol. 30, Nr.8, Elsevier Ltd, August 2008.
- 2008 *Building Tall with Timber: A Paeon to Wood Construction, and Resisting Earth's Forces: Typologies of Timber Buildings in History*, Structural Engineering International, Vol. 18, Nr.2, IABSE, May 2008.
- 2008 "Building Tall with Timber: A Paeon to Wood Construction," and "Resisting Earth's Forces: Typologies of Timber Buildings in History," Structural Engineering International, Vol 18, Nr.2, IABSE, May 2008.
- 2008 Keynote Address: "Parades Polumbalinas, and the 'Invention' of Earthquake-Resistant Construction, International Seminar on Seismic Risk and Rehabilitation of Stone Masonry Housing," Horta, Azores, July, 2008.
- 2008 Keynote Address: "From 'Opus Craticium' to the 'Chicago Frame,' Earthquake-resistant Traditional Construction," in the inaugural issue of the International Journal of Architectural Heritage, Volume 1, 2007, Taylor and Francis Group, London.

- 2008 Keynote Address: “*Creative Destruction: Timber and Masonry Earthquake Resistant Construction before the Age of Steel and Reinforced Concrete*,” Earthquake Hazards Program Seminar Series, USGS, November, 2008. (A link to a video of this entire lecture with the slides is on www.conservationtech.com)
- 2008 Keynote Address: “*Ancient and Modern Earthen Construction in an Earthquake: The Example of Bam, Iran in 2003*,” Kerpic 2008-Learning from Earthen Architecture in Climate Change, International Conference, Lefkosa, Northern Cyprus, September, 2008.
- 2007 “*From ‘Opus Craticium’ to the ‘Chicago Frame,’ Earthquake-resistant Traditional Construction*,” International Journal of Architectural Heritage, Volume 1 (Inaugural Issue), pp 29-59, Taylor and Francis Group, London, 2007.
- 2007 *Understanding What Works: Learning from Earthquake Resistant Traditional Construction, in Heritage at Risk*, 2007, ICOMOS & Technische Universitat Dresden, 2007 (ISBN 978-3-940046-64-2).2008
- 2006 Keynote Address: “*From ‘Opus Craticium’ to the ‘Chicago Frame,’ Earthquake-resistant Traditional Construction*,” Keynote Address paper, Structural Analysis of Historical Constructions Conference (SAHC), New Delhi, 2006 (shorter version of IJAH Article above.)
- 2006 “*The Victims’ Dilemma: When Doing Good may be Doing Wrong*,” Proceedings of the International Disaster Reduction Conference (IDRC), Davos, 2006.
- 2006 “*Preventing Pancake Collapses: Lessons from Earthquake-Resistant Traditional Construction for Modern Buildings of Reinforced Concrete*.” Proceedings of the International Disaster Reduction Conference (IDRC), Davos, 2006.
- 2006 “*Armature Crosswalls: A Proposed Methodology to Improve the Seismic Performance of Non-Ductile Reinforced Concrete Infill Frame Structures*,” co-authored with Khalid Mosalam, Sinan Akarsu, and Alberto Dusi, Proceedings of the 100th Anniversary Earthquake Conference Commemorating the 1906 San Francisco Earthquake, April, 2006.
- 2006 “*Saga of the Half-timbered Skyscraper, What Does Half-timbered Construction have to do with the Chicago Frame?*” Proceedings of the 2nd International Congress on Construction History, Cambridge University, 2006.
- 2005 “*Armature Crosswalls, How pre-modern construction practices may hold the key to avoiding the collapse of vulnerable urban housing blocks*,” Joint US-India Symposium on Urban Housing and Infrastructure in New Delhi, India, October, 2005.
- 2005 “*Collapse from the Inside-Out, the Impact of the 2003 Bam, Iran Earthquake on the Earthen Architecture of the Arg-e Bam*,” Proceedings, Pontificia Universidad Católica del Perú SismoAdobe Conference, May, 2005
- 2005 “*Performance of the Earthen Arg-e Bam (Bam Citadel) during the 2003 Bam, Iran, Earthquake*,” Earthquake Engineering Research Institute (EERI), Earthquake Spectra Volume 21, No. S1 pp S345-374, December 2005,
- 2004 “*Earthquake and the Citadel*,” in Architecture and Disaster, Mina Marafat, editor, Library of Congress. Mina Marafat, Ed. LOC Conference, December 2004. Book forthcoming.

- 2004 “*The Building of the Symbolic Image, The Use of Perspective, Multiple Viewpoints, and Scale in Piranesi’s Vedute Di Roma Juxtaposed with Photographs Taken in the Present Day*,” OZ, Volume 26, 2004, Kansas State University College of Architecture, Planning and Design.
- 2004 “*Soil Dynamics and the Earthquake Destruction of the Arg-e Bam*,” Iranian Journal of Seismology and Earthquake Engineering, Tehran, Iran, Special Issue on 26 December 2003 Bam Earthquake, Volume 5:#4 & Volume 6:#1, 2004.
- 2004 “*The Earthquake Resistance of Timber and Masonry Buildings in Turkey*,” co-author with Polat Gulkan, Proceedings of the 13th World Conference on Earthquake Engineering, Vancouver, forthcoming, August, 2004.
- 2004 “*On the Cross of Sant’ Andrea, The Response to the Tragedy in San Giuliano di Puglia*, co-author with Alberto Dusi, Earthquake Spectra, EERI, forthcoming-Spring, 2004.
- 2004 “*Masonry Building Performance in the Molise Earthquake*,” co-author with Luis Decanini, Adriano De Sortis, Agostino Goretti, Fabrizio Mollaioli, and Alessandro Rasulo, Earthquake Spectra, EERI, forthcoming-Spring, 2004.
- 2003 “*Integrity of Structure: The Armature of our Architectural Heritage*,” CHS Newsletter, Construction History Society, London, No 67, December 2003.
- 2003, “*Crosswalls instead of Shearwalls*,” Proceedings of the Turkish Fifth National Conference on Earthquake Engineering, Istanbul, May 2003.
- 2003, “*Traditional Timber-laced Masonry Buildings that Survived the Great 1999 Earthquakes in Turkey and the 2001 Earthquake in India While Modern Buildings Fell*, Proceedings of the First International Congress on Construction History, Madrid, January 2003.
- 2002 “*Lessons that can be learned from the Performance of Traditional Construction in Earthquakes*.” International Symposium on Natural and Human-Made Hazards Conference, Antalya, Turkey, 2002.
- 2002, “*The Integrity of Structure: Should what is Hidden inside the Wall be considered a part of a Historic Building’s Cultural Value?*” Proceedings of the ICOMOS 13th General Assembly, Madrid, December, 2002.
- 2002, “*Survivors among the Ruins: Traditional Houses in Earthquakes in Turkey and India*,” APT BULLETIN, The Journal of Preservation Technology, Association for Preservation Technology International, Volume XXXIII, No. 2-3, p47-56, 2002.
- 2002, “*Survivors in the Midst of Devastation, A Comparative Assessment of Traditional Timber and Masonry Construction in Seismic Areas*,” Proceedings of the Seventh U.S. National Conference on Earthquake Engineering, (7NCEE), EERI, Boston, July 21-25, 2002.
- 2002, “*A Rich Heritage Lost: Observations on the Effects of the Bhuj Earthquake*,” Seismological Research Letters, Volume 73, No.2, March/April 2002.
- 2001 “*A Rich Heritage Lost: The Bhuj Earthquake, India*,” CRM Journal, National Park Service, Vol 24, No. 8, 2001.
- 2001 Keynote Address: APT Annual Conference Workshops (combined): *The Performance of Traditional Construction in the Bhuj and Kocaeli Earthquakes: Demonstrating the Performance of Brittle Materials*. (Forthcoming as an article in the APT BULLETIN)

- 2001 Keynote Address: "An Analysis Of The Effects Of The Bhuj Earthquake On Traditional Unreinforced Masonry Construction" International Conference on Seismic Hazard with particular reference to Bhuj Earthquake of January 26, 2001, Delhi, India, October 3-5, 2001.
- 2001 Invited Lecture: "Traditional Construction is Seismic Areas of the World," Masonry Institute of British Columbia, Vancouver, BC, August 15, 2001
- 2001 Post-disaster reconnaissance and report on the Bhuj Earthquake, Gujarat, India for UNESCO Cultural Heritage Division, March 1-25, 2001. Report published on the Web at www.conservationtech.com.
- 2000 "Intuition from the Past: What we can learn from traditional construction," Keynote address, ICOMOS/UNESCO Conference on Seismic Performance of Traditional Buildings, Istanbul, Turkey, November, 2000. Published on the Web at www.conservationtech.com.
- 2000 "Structural Conservation: Philosophical Rules of Thumb," unpublished report for the Kathmandu Valley Preservation Trust, Kathmandu, Nepal, June, 2000. Published on the web at www.conservationtech.com.
- 1997 "Life Safety and Historic Masonry in Earthquake Country; Balancing the Objectives in the Seismic Rehabilitation of Historic Masonry Buildings," Proceedings of the Eighth International Conference on Soil Dynamics and Earthquake Engineering, (SDEE'97), Istanbul, Turkey, July, 1997.
- 1994 "Architectural Issues In The Seismic Rehabilitation Of Masonry Buildings," US-Italian Workshop on Guidelines for Seismic Evaluation and Rehabilitation of Unreinforced Masonry Buildings, Pavia, Italy, June, 1994.
- 1994 "Public Policy Vs. Seismic Design: Cost And Performance Criteria For Seismic Rehabilitation Of Unreinforced Masonry Infill Frame Buildings", Proceedings of the NCEER Workshop on Seismic Response of Masonry Infills, NCEER, March 1, 1994
- 1992 "Earthquakes: A New Look at Cracked Masonry," Civil Engineering Magazine, November, 1992, pp56-58.
- 1991 "Soft" Energy Dissipating Design for the Seismic Strengthening of Masonry Infill Frame Midrise Buildings: The Woodrow Hotel, Oakland", co-author with James Kelley, U.C. Berkeley, N.P.S. Conference on the Seismic Strengthening of Historic Buildings Proceedings, San Francisco, Ca., October, 1991
- 1991 "The Seismic Strengthening of the Pardee Home Museum" co-author with Sven Thomasen, Engineer, N.P.S. Conference on the Seismic Strengthening of Historic Buildings Proceedings, San Francisco, Ca., October, 1991
- 1990 "Of TAQ and DHAJJI DWARI: The Earthquake Resistant Mud Architecture of Kashmir," ADOBE 90, International Conference on Earthen Architecture Proceedings, Las Cruces, New Mexico, November, 1990.
- 1990 "Technology and Public Policy following the Loma Prieta Earthquake", The 1st International Conference on the Planning and Management of the Building Process in Europe '92 Proceedings, sponsored by: the Ordine Degli Ingegneri Della Provincia di Roma, Rome, March, 1990.
- 1990 "The Teaching of Preservation in the Design Studio: The Relationship Between Theory and Practice", The 78th Annual Meeting of the Association of Collegiate Schools of Architecture Proceedings, 1990.

- 1989 "Traditional Unreinforced Masonry in Seismic Areas & The Loma Prieta Earthquake", International Technical Conference on Structural Conservation of Stone Masonry, Athens, Greece, sponsored by: ICCROM, the National Technical University of Athens, & the Greek Ministry of Culture, Oct. 1989.
- 1989 "Learning from the Past: Traditional and Contemporary Unreinforced Masonry in Seismic Areas," Proceedings of the International Technical Conference on Structural Conservation of Stone Masonry, (Peer reviewed publication) Athens, Greece, ICCROM, National Technical University of Athens, & Greek Ministry of Culture, Oct. 1989.
- 1989 "Bricks, Mortar, and Earthquakes, Historic Preservation vs. Earthquake Safety," APT Bulletin, The Journal of Preservation Technology, The Association for Preservation Technology International, XXI, 3&4, Sept. 1989. OLIVER TORREY FULLER AWARD ARTICLE, 1990. Published on the web at www.conservationtech.com.
- 1989 "Traditional Construction Practices Utilizing Unreinforced Masonry in Seismic Areas," Traditional Dwellings and Settlements Working Paper Series, Vol XVII, Berkeley, CEDR, 1989. p107-119.
- 1989 Paper: "Learning from the Past: Traditional and Contemporary Masonry in Seismic Areas," International Technical Conference on Structural Conservation of Stone Masonry, ICCROM, Greek Ministry of Culture, and National Technical University of Athens, Athens, Greece, October, 1989.
- 1989 Invited Lecture Tour of Portugal: sponsored by the Instituto Português do Património Cultural (I.P.P.C.) and the U.S. Information Agency,
June 1-20, 1989. Five lectures on historic preservation theory and practice and building conservation technology given in Lisbon, Oporto, and Coimbra, Portugal
- 1989 Lecture: "A Proposal to Conserve the Historic City of Srinagar, Kashmir," Conservation Society of Delhi, New Delhi, May 12, 1989.
- 1989 Lecture: "The Need to Conserve the Traditional Urban Environment," Persatuan Warisan Pulau Pinang (The Penang Heritage Trust), Penang, Malaysia, April 10, 1989.
- 1988 Paper: "The Problems of Historic Preservation in Seismic Areas," 2nd U.S. - Japan Workshop on Urban Earthquake Hazards Reduction, Shimizu City, Japan, July 1988.
- 1988 Keynote Address: "The Good and The Evil: The Preservation of Places with a Negative Symbolic Image," Symposium, The Adaptive Reuse of Historically Significant Institutional Buildings and Grounds, SUNY Buffalo, N.Y. April 21-23, 1988.
- 1988 Lecture: ""The Architecture and Town Planning of Factory Towns in England and New England," 1987-88 Colloquium Series, Department of the History and Philosophy of Science and Technology, Cornell University, April 1988.
- 1988 Paper: "Traditional Construction Practices Using Masonry," International Symposium: Traditional Dwellings and Settlements in a Comparative Perspective, University of California, Berkeley, April 7-10, 1988.
- 1988 Paper: "Teaching the Theory and Practice of Historic Preservation," Sixth Annual ACSA Technology Conference, San Francisco, January 1988.

- 1988 "Christian Science Church: Design is Now the Issue, (II Commentary)," in Oakland Heritage Alliance News, Winter, 1978, p11-12.
- 1987 "A Certain Kind of Spirit, The Preservation of the Character and the Conservation of Fabric in Historic Structures," ICOMOS 8th General Assembly and International Symposium Papers, International Council on Monuments and Sites, Vol 2, pp 669-76
- 1987 "Traditional Masonry and Contemporary Reinforced Concrete Frame with Infill Wall Construction in Seismic Areas," Proceedings, Pacific Conference on Earthquake Engineering, New Zealand Society for Earthquake Engineering, New Zealand, Vol 2, pp 129-37.
- 1987 Paper: "Traditional Masonry and Contemporary Concrete Frame with Infill Wall Construction in Seismic Areas," Pacific Conference on Earthquake Engineering, Wairacki, New Zealand, August 1987.
- 1987 Paper: "False Fronts on Main Street: Preservation and Design in Western Towns," Annual Meeting of the California Preservation Foundation, San Diego, May 1987.
- 1987 "Masonry as a Ductile Material: Traditional and Contemporary Construction Practices Utilizing Unreinforced Masonry in Seismic Areas," Proceedings: Fourth North American Masonry Conference, Masonry Society, Los Angeles, Vol I, pp 33.1 - 33.14
- 1986 Book Reviews: The Impecunious House Restorer, by John T Kirk; A Guide to the Maintenance, Repair and Alteration of Historic Buildings, by Frederick Stahl; Handbook of Building Crafts in Conservation, by Jack Bowyer, editor; and Moisture Problems in Historic Masonry Walls, by Baird Smith, in Design Book Review, Spring 1986.
- 1986 Paper: "Unreinforced Masonry in Seismic Areas," Fifth Annual ACSA Technology Conference, Washington, D.C., December 1986
- 1986 Paper: "The preservation of historic masonry buildings in Seismic Areas," Annual Meeting of the Association For Preservation Technology, Austin, Tx., October 1986.
- 1986 Keynote Address: The Berkeley Architectural Heritage Association Annual Dinner, May 1985.
- 1985 "Joseph Esherick, Honoring a Distinguished 33 Year Teaching Career," C.E.D. News, Spring 1985. (co-author with John Parman)
- 1985 Book Review: The Impecunious House Restorer, by John T. Kirk, Historic Preservation, April 1985.
- 1982 "India in Conflict: Urban Renewal Moves East," Historic Preservation, National Trust For Historic Preservation, 34:3, May-June 1982, pp46-51. Published on the Web at www.conservationtech.com.
- 1981 "Lowell: From Building To Architecture," Harvard Architecture Review, MIT Press, Cambridge, Vol 2, Spring 1981,
- 1979 "Amoskeag: One Worker's View," New Hampshire Profiles, XXVIII:2, Feb/Mar. 1979. (co-author)
- 1979 "Work Space, Living Space, and Historical Identity," ICOMOS Symposium on Historic Preservation, University College, London, April 1979. (Published in our Past Before Us, How Do We Save It, David Lowenthal and Marcus Binney, Editors, 1981.)

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- 1979 "Architecture, Urban Design, and Community Organization in the City," Victorian Album Conference, Washington, D.C., (National Endowment for the Humanities and the Victorian Society of America,) March 1979.
- 1978 "Voices of a Vanished Amoskeag," in American Heritage, Nov. 1978, p15-25. (co-author)
- 1978 "Remembering Life in a Mill Town," New England Magazine, Boston Sunday Globe, Sept. 17, 1978.
- 1975 Keynote Address: "The Preservation of New England Textile Mills," American Society of Registered Architects Annual Meeting, Scottsdale, Arizona, November 1975.
- 1975 Marshall Woods Lecturer in American Studies, Brown University, November 1975.
- 1975 "Amoskeag, A Mill and a Way of Life," New Hampshire Profiles, XXIV:10, October 1975, pp 25-55.
- 1975 "Amoskeag Millyard Remembered," Historic Preservation, National Trust for Historic Preservation, July-September 1975, pp 26-29.
- 1971 "The Crown and Eagle Mills," Boston Globe Sunday Magazine, August 15, 1971.
- 1971 "The Crown and Eagle Mills," in The Architectural Forum, July-Aug., 1971, p62-64
- 1970 "Epitaph for an American Landmark," American Heritage, XXI:3, April 1970, pp 110-113. (co-author)
- 1969 "Lost City on the Merrimack," Boston Globe Sunday Magazine, March 9, 1969. pp 20-26.
- 1969 "A City No One Knew," Architectural Forum, Jan/Feb. 1969, pp 84-90.
- 1968 "Amoskeag: An Epic in Urban Design," Journal of Industrial Archaeology, Bath, England, Vol 5, #4, November, 1968, p 335-50.
- 1968 "The Amoskeag Millyard, An Epic in Urban Design, " The Harvard Bulletin, 70:12, April 13, 1968. pp 21-28. Published on the web at www.conservationtech.com.
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FILMS and VIDEOS

2003 A documentary photography project begun as a Rome Prize Fellow at the American Academy in Rome was later produced as the 40 minute animated digital movie: “*ROME WAS!, A Piranesian Vision.*” This has been shown in San Francisco together with an exhibition of art prints at the Joel Garzoli Fine Art gallery from September to November, 2014, with a film screening at the Italian Cultural Center in San Francisco. The film has also been screened at the Universities in Italy in Rome, Calabria, Pescara and Trento.

This film has been selected for screening in February 2015 at the 7th International Filmmaker Film Festival of World Cinema, and has been nominated for awards for Animation, Editing, Direction and Production, and it won Best Animation at the Festival.

The earlier slide/video version of this project, entitled *The Piranesi Project, A Stratigraphy of Views of Rome*, was shown at invited screenings and lectures at the Academia di San Luca, Rome at the invitation of the City of Rome in 2005, and subsequently at the Sir John Soane Museum, London; the Crocker Gallery of Art in Sacramento, California; Fantasy Studios in Emeryville, California; and other venues including Kabul, Afghanistan. Further information with the photographs and film trailer can be found at www.piranesian.com.

PAPERS about THE PIRANESI PROJECT

The following publications were produced in conjunction with the creation of the slide-video *The Piranesi Project, A Stratigraphy of Views of Rome* while on a Rome Prize Fellowship at the American Academy in Rome, 2002-2003 (see “*Movies and Videos*” above). (Available on www.piranesian.com)

- 2014 Book Chapter: The Building of a Symbolic Image: The Juxtaposition of Giambattista Piranesi’s Vedute Di Roma with Photographs Taken 250 Years Later, Part IV, Chapter 1 in the book: Giambattista Nolli and Rome: Mapping the City before and after the Pianta Grande, Studium Urbis, 2014, pp.179-198. (Available on www.piranesian.com.)

- 2014 Book Chapter: The Building of a Symbolic Image, Chapter 1, part 3 in the book REAL Virtuality: About the Destruction and Multiplication of World, Ulrich Gehmann and Martin Reiche, Editors, Transcript Verlag (Germany), 2014. (Available in the USA from Columbia University Press.)

- 2008 “OUTSIDE OF THE FRAME: Piranesi’s Perspective and Composition, Re-explored in the Digital Age,” Proceedings, ICOMOS, General Assembly, Quebec City, Canada, 2008. (Available on www.piranesian.com)

- 2004 The Building of a Symbolic Image, The Use of Perspective, Multiple Viewpoints, and Scale in Piranesi's Vedute Di Roma Juxtaposed with Photographs Taken in the Present Day. published in OZ, The Journal of the Kansas State University College of Architecture, Volume 26, 2004. (Available on www.piranesian.com)SELECTED PHOTOGRAPHIC ESSAYS

MAJOR GALLERY and MUSEUM EXHIBITIONS OF WORK

- 2014 An exhibition of art prints inspired by the creation of the animated film *ROME WAS!, A Piranesian Vision*, described below under "Films and Videos" at the Joel Garzoli Fine Art Gallery from September to November, 2014, with a film screening at the Italian Cultural Center in San Francisco.
- 1984 Group Show: "Local Visions III: Architectural Photography by Seven Boston Area Photographers," Hayden Gallery, Massachusetts Institute of Technology, December-January, 1984.
- 1981 Exhibition of photographs of the textile mills and industrial workers in Ahmedabad, India, shown at the Art Center Gallery, Ahmedabad School of Architecture, Ahmedabad, India, June-July, 1981.
- 1981 Independent photographic documentation of the hand weaving and historic textile industry in India. Supported by an Indo-American Exchange Fellowship.
- 1980 Exhibition: Satanic Mills, Industrial Architecture of the Pennines, Designed, and with photographs by Randolph Langenbach, produced by save Britain's Heritage, Cartwright Hall Museum, Bradford, England, August-October 1980.
- 1979 Exhibition: Satanic Mills, Industrial Architecture of the Pennines, Designed by, and with photographs by, Randolph Langenbach; produced by save Britain's Heritage; Heinz Gallery, Royal Institute of British Architects, London, January-April 1979.
- 1978 Exhibition: A Sense of Place, The Milltown in England and New England, Designed, produced, and with photographs by, Randolph Langenbach, Boston City Hall Main Gallery, Sept. - Nov. 1978
- 1976 Exhibition: The Amoskeag Millyard Designed, produced, and with photographs by, Randolph Langenbach, Boston Architectural Center, April 1976.
- 1975 Exhibition: Amoskeag, A Sense of Place, A Way of Life, Designed, produced, and with photographs by Randolph Langenbach, Currier Gallery of Art, Manchester, N.H. September-November 1975. Annual Conservation Award, Victorian Society of America, New England Chapter 1976.

SELECTED PHOTOGRAPHIC ESSAYS

- 1986 Preserving New England, Jane Holtz Kay, Pantheon Books, New York, 1986, (Selected photographs)
- 1985 Preserving the West, Randolph Delahanty, Pantheon Books, New York, 1985. (Photo essay on Stanford Quad)
- 1982 "The Palmyra of the Deccan, Bijapur India", text by John Cornforth, photographs by Randolph Langenbach, Country Life, London, March 4, 1982, pp 542-45, (Part I), March 11, 1982, pp 634-37, (Part II).
- 1981 Colossus of Battersea: The Battersea Power Station, A Report by save Britain's Heritage, Marcus Binney, Editor

- 1979 "Conservation into Action: Finland's Historic Mill Town: Tampere," text by Marcus Binney, photographs by Randolph Langenbach, Country Life, London, May 10, 1979, pp 1444-45
- 1979 "Conservation into Action: Mill Town into National Park, Lowell, Massachusetts," text by Marcus Binney, photographs by Randolph Langenbach, Country Life, London, April 26, 1979, pp 1320-21
- 1976 America's Forgotten Architecture, National Trust for Historic Preservation, Tony Wrenn and Elizabeth Mulloy, New York, Pantheon, 1976 (selected photographs)
- 1970 Miscellany: "What Manchester really needs is another parking lot," Life Magazine, September 4, 1970.
- 1970 "Bleak Fate of the Yankee Mills," in Life Magazine, Sept. 4, 1970, p60-61.
- 1969 "A Doomed Industrial Monument," in Fortune Magazine, February, 1969, p119-121.

SELECTED REVIEW ARTICLES ABOUT PROJECTS

- 2006 Editorial: 'Concrete buildings more vulnerable to quakes', by Maneesh Pandey, The Times of India, 9 Dec, 2006. (Article based on interview of Randolph Langenbach.)
- 2005 "Randolph Langenbach, Invenzioni al digitale," Italian Newspaper Corriere Della Sera, 07 March 2005. Published about the showing of the "Piranesi Project" at the Academia di San Luca in Rome in 2005.
- 1996 "East Bay Entrepreneurs unveil Quake-Dampening Foundation," The Oakland Tribune, May 30, 1996; "'Damped Sway' Alleviates Damage' The Montclarion, June 13, 1996; "The Earthquake – Next Time" The Oakland Tribune, June 5, 1996. (These articles about design for a foundation system in house designed and constructed by Randolph Langenbach)
- 1989 "The Mansion of an Empire-BUILDER," by Khoo Su Nin, Pulau Pinang, Penang, Malaysia, Vol 1, #3, 1989, p19..
- 1989 "Local Treasure or Neighborhood Eyesore?" by Mike McGrath, East Bay Express, February 17, 1989, p 3 & 28-9. (Review of Langenbach preservation proposal for the former University High School / Grove St. College Campus building, Oakland, California.)
- 1989 "A Plan to Preserve History and Provide for the Future," by Bill Hughes, The Oakland and Berkeley Post, Feb. 12, 1989, p2.
- 1989 "Fighting for Survival", by Kelly Gust, in the The Oakland Tribune, March 31, 1989, p C1
- 1988 "Lessons from the Past for Aseismic Designs," in UC Mexus News, # 23, Fall, 1988, p1 & 5-6. (Review of Research on masonry buildings in earthquake areas under a UC Mexus Grant.)
- 1988 "The City Hall Project," by Woody Minor, The Alameda Journal, Feb. 18, 1988, & "City Hall Renovation," H/MT Newsletter.
- 1984 "Designers compile catalogue of old Bangor architecture," by Tom Weber, Bangor Daily News, Sept. 28, 1984. (About Bangor, Maine Central Area Revitalization Plan, by Lane, Frenchman & Associates with Randolph Langenbach)

- 1983 Comments on Langenbach's influence on the conservation of British industrial towns in: "Conserving the Heritage: Anglo-American Comparisons", by David Lowenthal, in The Expanding City, John Patten, Editor, Academic Press, N.Y.C. 1983, Chapter 8, p 262.
- 1983 "Prospecting for Holyoke's Past," Holyoke Transcript-Telegram, Oct 29, 1983. (Article about work on design for new Heritage State Park Visitor's Ctr.)
- 1981 "Randolph's lens captures industrial life," by Rajmohan Shetty, Times of India, Ahmedabad, July 9, 1981, p3. (Review of Exhibition of photographs of the textile mills and industrial workers in Ahmedabad, India, shown at the Art Center Gallery, Ahmedabad School of Architecture, Ahmedabad, India.)
- 1980 "The Milltown, A Sense of Place, A Way of Life," Design Arts 1, Carol Uhl-Nordlinger, Editor, National Endowment for the Arts Grants Recognition Program, Vol. 1, p 34.
- 1980 Book Review of Amoskeag, Life and Work in an American Factory City, by Paul Boyer, Labor History, 1980
- 1980 "Exhibitions: Satanic Mills," a review by Karen Waclawiak, Pennine Magazine, 2:1, Oct/Nov. 1980, p 34-35.
- 1980 "Magnificent Impotence," by Katherine Janidu, photographs by Randolph Langenbach, Yorkshire Life, August 1980, pp 34-36.
(Review of Bradford Satanic Mills Exhibition.)
- 1979 "Satanic Mills, " a review of the London Exhibition by Gillian Darley, Connoisseur, February 1979, p 153.
- 1979 "Mill Town Blues: The Satanic Mills Exhibition," by Clive Aslet, photographs by Randolph Langenbach, Country Life, February 8, 1979.
(Review of London Satanic Mills Exhibition.)
- 1979 "The Structures of Life: Randolph Langenbach," by Anne Allen, Harvard Bulletin, Jan-Feb. 1979. p 97.
- 1979 Book Review of Amoskeag, Life and Work in An American Factory City, by Maxine Berg, Textile History 1979.
- 1979 Book Review: "An Amoskeag Documentary," by Benita Eisler, The Nation, March 10, 1979.
- 1979 Book Review of Amoskeag, Life and Work in an American Factory City, by Alan Trachtenberg, New York Times Book Review, January 21, 1979, p 1 & 32-33.
- 1978 "A Sense of Place: An Exhibition and a History," HGSD News, Harvard Graduate School of Design, Fall 1978. (Review of Boston City Hall The Milltown in England and New England Exhibition)
- 1978 "Gloss on the Mills," by Howard Litwak, The Boston Phoenix, October 17, 1978.
- 1978 "Satanic or Sublime? The Future of the Yorkshire Textile Mills," by Marcus Binney, Country Life, January 5, 1978, p6-8.
- 1976 "Amoskeag Mills: A Sense of Place," Nineteenth Century, Victorian Society in America, Summer 1976. (Review of Manchester Amoskeag Exhibition.)

- 1975 "Salvage Spells Beauty," by E. B. Guralnick, Boston Globe Sunday Magazine, September 21, 1975. (Review of the rehabilitation design by Randolph Langenbach of a Cambridge, Massachusetts "three-decker" house.)
- 1975 "Amoskeag: A Look at a Linear City," by Robert Cambell, The Boston Globe, October 1975. (Review of Manchester Amoskeag Exhibition.)
- 1975 "Architecture," by Jane Holtz Kay, The Nation, November 22, 1975. (Review of Manchester Amoskeag Exhibition.)
- 1971 "Unique Staircase Saved From Destruction," by Joseph Scannell, Manchester American, June 26, 1971, p12. (About salvage of historic cast iron spiral staircase by Randolph Langenbach from the Amoskeag Millyard.)
- 1969 "A Doomed Industrial Monument," in Fortune Magazine, February, 1969, p119-121. (with photo essay by Randolph Langenbach)
- 1968 "Monuments Don't Pay," Time Magazine, August 1968. (Based on 1968 Harvard Bulletin Article An Epic in Urban Design)
- 1968 "Lessons in Urbicide," by Ada Louise Huxtable, The New York Times, Oct. 22, 1968. (Based on 1968 Harvard Bulletin Article An Epic in Urban Design) Republished in When Will They Ever Finish Bruckner Boulevard, A Primer in Urbicide, by Ada Louise Huxtable, MacMillan, New York City 1971. pp 111-15, and also in Goodbye History, Hello Hamburger, by Ada Louise Huxtable, The Preservation Press, Washington, 1986, pp 102-5.