

CURRICULUM VITAE

IAN N. ROBERTSON

PERSONAL 2125 Kakela Place, Honolulu, HI 96822
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E-mail address: ianrob@hawaii.edu
Married with two adult children

EDUCATION 1978 BS Civil Eng., University of the Witwatersrand, South Africa.
1985 MS Civil Engineering, Rice University, Houston, Texas.
Thesis: *Shear Strength of Prestressed Concrete T-Beams with Welded Wire Fabric as Shear Reinforcement.*
1990 Ph.D. Civil Engineering, Rice University, Houston, Texas.
Dissertation: *Behavior of Reinforced Concrete Slab-Column Connections Subjected to Seismic Loading.*

AWARDS

Fulbright Scholar – Rice University – 1982-1984.
Outstanding Faculty in Civil Engineering Award - 1993-94.
Outstanding Faculty in Civil Engineering Award - 1996-97.
Hi Chang Chai Excellence in Teaching Award – May 1999.
Hi Chang Chai Excellence in Teaching Award – May 2006.
Wason Medal for Most Meritorious Paper – American Concrete Institute, March 2009.

PROFESSIONAL EXPERIENCE

2005-present Professor, University of Hawaii, Civil and Environmental Engineering Department. Responsibilities include: teaching design courses in Reinforced and Prestressed Concrete, and Structural Steel at Senior and Graduate levels; advising undergraduate and graduate students; directing operation of the Structural Engineering Laboratory; and maintaining an externally funded research program.

1997-2005 Associate Professor, University of Hawaii, Civil and Environmental Engineering Department.

1994-present Owner, Ian Robertson, Ph.D. Structural Engineer. Structural engineering consulting on a variety of projects including building construction, building and bridge load testing, corrosion prevention and diagnosis, and general structural engineering services.

1992-1997 Assistant Professor, University of Hawaii, Civil Engineering Department.

1989-1992 Project Engineer / Associate, Walter P. Moore and Associates, Civil and Structural Engineering Company, Houston, Texas. Involved in the structural analysis, design and

Hawaii County All-Hazard Assessment of Critical Facilities	\$255,000
Hawaii State Civil Defense Principal Investigator 2008-2010	
Development of flexible concrete joints for deck structures with deteriorated mechanical joints and corrosion damage	\$295,794
Hawaii Department of Transportation Co-Principal Investigator (P.I. Gregor Fischer) 2007-2010	
Investigation of Post and Pier Earthquake Damage	\$339,355
Hawaii State Civil Defense Principal Investigator 2007-2009	
Windborne Debris Impact Testing Phase I	\$450,214
Hawaii State Civil Defense Principal Investigator 2007-2009	
University of Hawaii System Hazard Mitigation Plan	\$349,096
Hawaii State Civil Defense Co-Principal Investigator (P.I. Cheryl Anderson, SSRI) 2007-2009	
Use of Self-Consolidating Concrete for Bridge Drilled Shaft Construction	\$400,000
Hawaii State Department of Transportation Principal Investigator 2006-2010	
Development of Performance Based Tsunami Engineering, PBTE	\$1,300,000
NSF, Network for Earthquake Engineering Simulation Research, NEESR Co-Principal Investigator (P.I. H Ronald Riggs, CEE) 2005-2009	
Damage Survey from Hurricane Katrina	\$ 13,000
National Science Foundation Principal Investigator 2005-2006	
Island Mapping of Chloride Deposition Rate	\$ 99,000
Hawaii State Department of Transportation Principal Investigator 2005-2009	

Five Year Monitoring of Corrosion Field Specimens Hawaii State Department of Transportation Principal Investigator 2004-2009	\$ 50,000
Seismic/Tsunami Construction, Phase I: A Pilot Study Washington State Military Dept. Emergency Management Division Principal Investigator 2004-2005	\$ 34,300
Instrumentation and Monitoring of FRP Shear Retrofit of the Salt Lake Boulevard Bridge Federal Highway Administration and Hawaii State DOT Co-Principal Investigator (P.I. H. Ronald Riggs, CEE) 2004-2009	\$340,000
Soil Investigation and Soil-Structure Interaction Modeling of the Kealakaha Bridge Hawaii State Department of Transportation Principal Investigator 2003-2009	\$ 95,000
Seismic Instrumentation of the Kealakaha Stream Bridge Federal Highway Administration and Hawaii State DOT Principal Investigator 2001-2010	\$690,000
Corrosion of Galvanized Fasteners used in Light Gage Steel Construction US Dept. of Housing and Urban Development, and North American Steel Framing Alliance Principal Investigator 2001-2003	\$ 38,000
H3 North Halawa Valley Viaduct: 5-Year Monitoring Federal Highway Administration and Hawaii State DOT Principal Investigator 2001-2005	\$150,000
Use of Advanced Composites for Hawaii Bridges with Application to Renovation of Historic Bridges Hawaii State Department of Transportation Co- Principal Investigator (PI – H. Ronald Riggs) 2001-2003	\$122,000
Testing of Prestressed Concrete Beam Repaired with Carbon Fiber Composites Hawaii State Department of Transportation Principal Investigator	\$ 85,000

2000-2002

Hysteretic Modeling of Slab-Column Connections **\$ 95,000**

NSF – Pacific Earthquake Research Center (PEER)

Principal Investigator

1999-2001

Durability of Concrete made with Hawaiian Aggregates in Marine Environment **\$308,000**

Hawaii State Department of Transportation (Initiated by Craig Newton)

Principal Investigator 1998 – 2003

H3 North Halawa Valley Viaduct Load Test **\$ 80,000**

Federal Highway Administration and Hawaii State DOT

Principal Investigator

1997-1999

H3 North Halawa Valley Viaduct: Instrumentation and Long-term Monitoring **\$195,000**

Federal Highway Administration and Hawaii State DOT

Principal Investigator

1994-1999

JOURNAL PUBLICATIONS

1. Brandes, H.G., Nicholson, P.G., and **Robertson, I. N.**, *Damage assessment and seismic modeling of dams in connection with the 2006 Hawaii Earthquakes*, ASCE Geotechnical Special Publication No. 181, Geotechnical Earthquake Engineering and Soil Dynamics, 2008, 1-10.
2. Kang, Thomas H.-K., **Robertson, Ian, N.**, Hawkins, Neil, M, and Lafave, James, M., *Recommendations for Design of Post-Tensioned Slab-Column Connections Subjected to Lateral Loading*, PTI Journal, Post-Tensioning Institute, Vol. 6, No. 1, February 2008, pp. 45-59.
3. **Robertson, Ian N.**, Riggs, H. Ronald, Yim, Solomon C. S., and Young, Yin Lu, *Lessons From Hurricane Katrina Storm Surge on Bridges and Buildings*, Journal of Waterway, Port, Coastal and Ocean Engineering, Vol.133, No.6, American Society of Civil Engineers, Nov/Dec 2007.
4. Kang, Thomas H.-K., Lafave, James, M., **Robertson, Ian, N.**, and Hawkins, Neil, M., *Post-Tensioned Slab-Column Connections*, Concrete International, American Concrete Institute, Vol. 29, No. 4, April 2007, pp. 70-77.
5. **Robertson, I. N.**, and Johnson, G., *Cyclic Lateral Loading of Non-Ductile Slab-Column Connections*, ACI Structural Journal, Vol. 103, No. 3, May-June 2006, pp. 356-364.
6. **Robertson, Ian N.**, *Prediction of vertical deflections for a long-span prestressed concrete bridge structure*, Engineering Structures, Vol. 27, 2005, pp. 1820-1827.
7. **Robertson, Ian N.**, and Li, Xianping, *Shrinkage and Creep Predictions Evaluated using 10-year Monitoring of the North Halawa Valley Viaduct*, ACI SP-227 Shrinkage and Creep of Concrete, Editors: N.J. Gardner and Jason Weiss, American Concrete Institute, April 2005, pp. 143-162

8. Johnson, G., and **Robertson, I. N.**, *Repair of Slab-Column Connections Using Carbon Fiber Reinforced Polymer*, ASCE Composites in Construction Journal, Vol. 8, No. 5, Sept-Oct 2004, pp. 376-383.
9. **Robertson, I. N.**, Kawai, T., Lee, J., and Enomoto, B., *Cyclic Testing of Slab-Column Connections with Shear Reinforcement*, ACI Structural Journal, Vol. 99, No. 5, Sept-Oct 2002, pp 605-613.
10. **Robertson, Ian Nicol**, *Survey of Education and License Requirements for Structural Engineers*, ASCE Journal of Professional Issues in Engineering Education & Practice, Vol. 128, No. 3, July 2002, pp 120-124.
11. Kawai, T., **Robertson, I. N.**, Ogihara, T., and Kimoto, J., *Study on Cross-sectional Shape and Mechanical Properties of Cushion on Characteristics of Jacked Pipe Construction*, Journal of Japan Sewage Works Association, Vol. 38, No. 459, January 2001, pp. 138-153.
12. **Robertson, Ian N.**, *Correlation of Creep and Shrinkage Models with Field Observations*, The Adam Neville Symposium: Creep and Shrinkage – Structural Design Effects, American Concrete Institute, SP-194, Editor: Akthem Al-Manaseer, Farmington Hills, Michigan, 2000, pp. 261-282.
13. **Robertson, I. N.**, Agapay, A. A., and Nakashima, L. M., *Field Retrofit of Prestressed Concrete T-Beam Using CFRP*, Field Applications of FRP Reinforcement: Case Studies, American Concrete Institute, SP-215, Editors: Sami Rizkalla and Antonio Nanni, Farmington Hills, Michigan, 2000, pp. 335-348.
14. Kawai, T., **Robertson, I. N.**, Saeki, K., and Goto, M., *Effects of the Traffic Direction on the Connections of Manholes with Ceramic Sewer Pipes*, Journal of Japan Sewage Works Association, Vol. 37, No. 450, April 2000, pp. 169-176.
15. **Robertson, I. N.**, *Analysis of Flat Slab Structures Subjected to Combined Lateral and Gravity Loads*, ACI Structural Journal, V. 94, No. 6, Nov-Dec 1997, American Concrete Institute, Michigan, pp. 723-729.
16. **Robertson, I. N.**, and Ambrose, C. J., *Analytical Representation of Flat Plate Structures under Vertical and Lateral Loads*, Recent Developments In Deflection Evaluation Of Concrete, SP-161, Edward G. Nawy - Editor, American Concrete Institute, Farmington Hills, Michigan, 1996, pp. 51-73.
17. **Robertson, I. N.**, and Durrani, A. H., *Gravity Load Effect on Seismic Behavior of Interior Slab-Column Connections*, ACI Structural Journal, V. 89, No. 1, Jan.-Feb., 1992, pp. 37-45.
18. **Robertson, I. N.**, and Durrani, A. H., *Gravity Load Effect on Seismic Behavior of Exterior Slab-Column Connections*, ACI Structural Journal, V. 88, No. 3, May-June 1991, pp. 255-267.
19. **Robertson, I. N.**, and Durrani, A. H., *Welded Wire Fabric as Shear Reinforcement in Prestressed Concrete T-Beams*, PCI Journal, V. 32, No. 2, March/April 1987, pp. 46-61.

ARTICLES IN OTHER PERIODICALS

1. **Robertson, I. N.**, Johnson, G.P., and Ishisaka, R., *Self-Consolidating Concrete in Hawaii*, Hawaiian Connections, Newsletter of the Hawaii LTAP, Vol. 11, No. 2, Summer 2009.
2. **Robertson, I. N.**, Agapay, A. A., *Test of Prestressed Concrete T-Beam Retrofitted for Shear and Flexure using CFRP*, Hawaiian Connections, Newsletter of the Hawaii LTAP, Vol. 9, No. 1, Spring 2007.

3. **Robertson, I. N.**, Brandes, H., and Wang, S., *Soil-Structure Interaction Modeling of the Kealakaha Bridge*, Hawaiian Connections, Newsletter of the Hawaii LTAP, Vol. 8, No. 2, Summer 2006, pp. 2-3.
4. **Robertson, Ian N.**, Riggs, Ronald H., Yim, Solomon, and Young, Yin Lu, *Lessons from Katrina*, Civil Engineering, American Society of Civil Engineers, April 2006, pp. 56-63.
5. **Robertson, Ian**, *Corrosion of Galvanized Fasteners in Coastal Environments*, LGSEA Newsletter, Light Gauge Steel Engineers Association, April 2005, pp. 4-5.
6. Park, Si-Hwan, **Robertson, Ian N.**, Riggs, H. Ronald, *FRP Strengthening of Structurally Deficient Bridges*, Hawaiian Connections, Newsletter of the Hawaii LTAP, Vol. 4, No. 4, Winter 2002, pp. 6-7
7. **Robertson, Ian**, *Instrumentation and Long-Term Monitoring of the North Halawa Valley Viaduct*, Hawaiian Connections, Newsletter of the Hawaii LTAP, Vol. 2, No. 1, Spring 2000, p. 6.
8. **Robertson, Ian**, *OK, let's pay faculty what the coach makes*, Letter to the Editor, Honolulu Advertiser, November 20, 1999.
9. Haris, A. K., and **Robertson, I. N.**, *STEEL PYRAMID: A Pyramid proved the ideal structure for a rain forest display*, Modern Steel Construction, American Institute of Steel Construction, V. 32, No. 5, May 1992, pp. 34-39.

REVIEWED CONFERENCE PROCEEDINGS

1. **Robertson, I.N.**, and Mohamed, A., *Development of Performance Based Tsunami Engineering*, PBTE, Proceedings of the IABSE 2009 Symposium, Bangkok, Thailand, Sept. 9-11, 2009
2. Hueste, M.B.D., Kang, T.H.K., **Robertson, I.N.**, *Lateral Drift Limits for Structural Concrete Slab-Column Connections Including Shear Reinforcement Effects*, Proceedings of the ASCE Structures Congress, Austin, Texas, May 2009.
3. **Robertson, I.N.**, and Newton, C., *Performance of Corrosion Inhibitors in Concrete Exposed to Marine Environment*, Proceedings of the International Conference on Concrete Repair, Rehabilitation and Retrofitting, ICCRRR2008, Cape Town, South Africa, Nov. 24-26, 2008.
4. **Robertson, I.N.**, Riggs, H.R., and Mohamed, A., *Experimental Results of Tsunami Bore Forces on Structures*, Proceedings of the 27th International Conference on Offshore Mechanics and Arctic Engineering, OMAE2008, June 15-20, 2008, Estoril, Portugal.
5. **Robertson, I.N.**, Yim, S.C., Young, Y.L., and Riggs, H.R., *Coastal bridge performance during Hurricane Katrina*, Proceedings of the Third International Conference on Structural Engineering, Mechanics and Computation, SEMC-2007, Cape Town, South Africa, September 2007, Milpress, The Netherlands, pp. 1864-1870.
6. Brandes, H.G., Nicholson, P.G., and **Robertson, I. N.**, *Liquefaction of Kawaihae Harbor and Other Effects of 2006 Hawai'i Earthquakes*, Proceedings of the Seventeenth International Offshore and Polar Engineering Conference, June 2007, Lisbon, Portugal, V2:1169-1176.
7. Knapp, R. H., Shimabukuro, T.A., and **Robertson, I. N.**, *Microbend Fiber Optic Sensor System for Pressurized Cylinders*, Proceedings of the Twelfth International Offshore and Polar Engineering Conference, May 2002, Kitakyushu, Japan, Vol. IV, pp. 170-174.

8. Knapp, R. H. and **Robertson, I. N.**, *Fiber Optic Sensor System for Filament Wound Gas Cylinder*, Proceedings of the Eleventh International Offshore and Polar Engineering Conference, June 2001, Stavanger, Norway.
9. Knapp, R. H. and **Robertson, I. N.**, *Fiber Optic Sensing of Filament Wound Pressure Vessels*, Proceedings of the Tenth International Offshore and Polar Engineering Conference, May 2000, Seattle, USA.
10. Knapp, R. H., and **Robertson, I. N.**, *A New Concept for Smart Composite Pressure Vessels*, Proceedings of the Ninth (1999) International Offshore and Polar Engineering Conference, Brest, France, June 1999.
11. **Robertson, I. N.**, and Knapp, R. H., *Fiber Optic Sensors for Marine Composite Applications*, Proceedings of the Eighth (1998) International Offshore and Polar Engineering Conference, Montreal, Canada, May 1998.

CONFERENCE PROCEEDINGS

1. Roeber, V., Cheung, K-F., **Robertson, I.N.**, Riggs, H.R., *Tsunami Bore Formation Over a Fringing Reef*, Proceedings of the NSF Engineering Research and Innovation Conference, Honolulu, Hawaii, June 2009.
2. **Robertson, I.N.**, *Tsunami Building Codes*, 2nd International Roundtable on Earthquake and Tsunami Hazards and Risks in Southeast Asia, South China Sea and Western Pacific Marginal Sea Region, Kota Kinabalu, Malaysia, October 2008.
3. **Robertson, I.N.**, Johnson, G.P., and Ishisaka, R., *Development of Self-Consolidating Concrete in Hawaii using Basalt Aggregates*, Proceedings of fib Symposium 2008, Amsterdam, Netherlands, May 19-22, 2008.
4. Brandes, H.G., Nicholson, P.G., and **Robertson, I.N.**, *Damage assessment and Seismic Modeling of Dams in Connection with the 2006 Hawaii Earthquakes*, Proceedings of the Geotechnical Earthquake Engineering and Soil Dynamics IV conference, Sacramento, California, May 2008.
5. Heintz, Jon A., and **Robertson, Ian N.**, *Design of Structures for Vertical Evacuation from Tsunamis*, Proceedings of the ASCE Solutions to Coastal Disasters Conference, ASCE, Turtle Bay Hotel, Oahu, Hawaii, April 13-16, 2008.
6. Riggs, H. R., **Robertson, Ian N.**, Cheung, Kwok Fai, Pawlak, Geno, Young, Yin Lu, Yim, Solomon C. S., *Experimental Simulation of Tsunami Hazards to Buildings and Bridges*, Proceedings of 2008 NSF Engineering Research and Innovation Conference, Knoxville, Tennessee, January 2008.
7. **Robertson, I.**, Johnson, G., Sharma, B., *Shear Retrofit of Concrete T-beams using CFRP*, Proceedings of the 8th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures, Patras, Greece, July 2007.
8. Yeh, Harry, and **Robertson, Ian**, *Development of Design Guideline for Tsunami Shelters*, First International Conference on Urban Disaster Reduction – IICDR, Kobe, Japan, January 2005.
9. **Robertson, Ian**, Johnson, Gaur, and Wang, Shujun, *Instrumentation Performance during Long-term Bridge Monitoring*, Civil Structural Health Monitoring Workshop, Honolulu, Hawaii, November 2004.

10. **Robertson, Ian**, Johnson, Gaur, and Aki, Kainoa, *Concrete Bridge Instrumentation for Seismic and Long-term Monitoring*, IABSE 2004 Symposium, Shanghai, China, September 2004.
11. **Robertson, I.**, and Johnson, G., *Non-ductile Slab-column Connections Subjected to Cyclic Lateral Loading*, Proceedings of the 13th World Conference on Earthquake Engineering, 13WCEE, Vancouver, Canada, August, 2004.
12. **Robertson, I. N.**, Johnson, G., Aki, K., and Li, X., *Concrete Bridge Instrumentation for Long-term and Seismic Monitoring*, Proceedings of the Second International Conference on Structural Engineering, Mechanics and Computation SEMC-2004, Cape Town, South Africa, July 2004.
13. **Robertson, Ian**, and Johnson, Gaur, *Repair of Slab-column Connections using CFRP*, FIB 2003 Symposium on Concrete Structures in Seismic Regions, Athens, Greece, May 2003.
14. Fung, Stephanie, Aberle, Marcus, and **Robertson, Ian**, *Bridge Deflection Measurements during Earthquake Ground-shaking*, IABSE Symposium, Melbourne, Australia, September 2002.
15. **Robertson, Ian N.** and Johnson, G., *Repair of Slab-Column Connections using CFRP*, Proceedings of the Third International Conference on Earthquake Resistant Engineering Structures, ERES 2001, Malaga, Spain, September 2001.
16. **Robertson, Ian N.**, Kawai, T., Lee, J., Enomoto, B., *Seismic Performance of Flat-Slab Shear Reinforcement*, Proceedings of the 12th World Conference on Earthquake Engineering, 12WCEE, Auckland, New Zealand, January, 2000.
17. **Robertson, Ian N.**, *Fiber-Composite Repair, Strengthening and Retrofit of Concrete Members*, Proceedings of the 4th SA Conference on Polymers in Concrete, Kruger National Park, South Africa, June 23, 2000.
18. **Robertson, I. N.**, *Seismic performance of flat-slab shear reinforcement*, Proceedings of the Eleventh European Conference on Earthquake Engineering (ECEE-11), Paris, France, September 1998.
19. **Robertson, I. N.**, *Instantaneous and Long-term Deflection of the North Halawa Valley Viaduct*, Proceedings of the Sixth East Asia-Pacific Conference on Structural Engineering and Construction, EASEC-6, January 1998, Taipei, Taiwan.
20. **Robertson, I. N.**, and Durbin, M. P., *Instrumentation for long-term bridge structure monitoring*, DIAGNOSIS OF CONCRETE STRUCTURES, Proceedings of the 2nd RILEM International Conference, ExpertCentrum, Bratislava, October 1996, pp. 38-43.

CONFERENCE AND INVITED PRESENTATIONS

1. **Robertson, I.N.**, *Overview of Masters and Doctoral courses in Civil and Environmental Engineering at UH Manoa*, Forum on Education and Research in Civil Engineering at Graduate Schools, Saitama University, Saitama, Japan, July 31, 2009.
2. **Robertson, I.N.**, *Punching Shear Failure and Retrofit of Slab-Column Connections under Seismic Loading*, Model Lecture, Saitama University, Saitama, Japan, July 31, 2009.
3. **Robertson, I.N.**, *Development of Performance Based Tsunami Engineering*, Research Seminar by Faculty, Saitama University, Saitama, Japan, July 30, 2009.
4. **Robertson, I.N.**, *Improved Durability of Coastal Infrastructure Subjected to Corrosion*, Research Seminar by Faculty, Saitama University, Saitama, Japan, July 30, 2009.

5. **Robertson, I.N.**, *Retrofit of Concrete Beams with CFRP for Flexure and Shear Strengthening*, Research Seminar by Faculty, Saitama University, Saitama, Japan, July 30, 2009.
6. **Robertson, I.N.**, *Field Instrumentation for Concrete Creep and Shrinkage Bridge Monitoring*, Invited Lecture, Saitama University, Saitama, Japan, July 29, 2009.
7. **Robertson, I.N.**, *Lessons Learned during Development of Performance Based Tsunami Engineering*, PBTE, OSU Wave Basin Workshop, Corvallis, Oregon, July 7, 2009.
8. **Robertson, I.N.**, *Development of Performance Based Tsunami Engineering*, PBTE, Engineers and Architects of Hawaii, Honolulu, Hawaii, October 17, 2008.
9. **Robertson, I.N.**, *Performance-based Tsunami Engineering: Bores, Sediment Transport and Scour, and Fluid Forces*, Second International Round Table Dialogue on Earthquake and Tsunami Hazards and Risks in Southeast Asia, South China Sea and Western Pacific Marginal Seas Region, Kota Kinabalu, Malaysia, October 7, 2008.
10. **Robertson, I.N.**, *Earthquake and Tsunami Building Codes and the Design of Tsunami-Resistant Structures for Vertical Evacuation*, Second International Round Table Dialogue on Earthquake and Tsunami Hazards and Risks in Southeast Asia, South China Sea and Western Pacific Marginal Seas Region, Kota Kinabalu, Malaysia, October 7, 2008.
11. **Robertson, I.N.**, *Retrofit of Post-and-Pier Residential Construction*, Homeowner's Workshop, Kailua-Kona, Hawaii, September 27, 2008.
12. **Robertson, I.N.**, *Tsunami Building Codes*, 2008 North Pacific Tsunami Awareness Conference, Honolulu, Hawaii, August 19, 2008.
13. **Robertson, I.N.**, *Experimental Investigation of Tsunami Hazards to Coastal Buildings*, Sixth NEES Annual Meeting, Portland, Oregon, June 19, 2008.
14. **Robertson, I.N.**, *The Effects of the October 16, 2006, Kiholo Bay earthquake on the Island of Hawaii*, University of Applied Sciences at Karlsruhe, Karlsruhe, Germany, May 27, 2008.
15. **Robertson, I.N.**, *Development of Performance Based Tsunami Engineering*, PBTE, International Symposium of the International Institute for Infrastructure, Renewal and Reconstruction (IIIR), Calgary, Canada, April 10, 2008.
16. **Robertson, I.N.**, *Development of Performance Based Tsunami Engineering – PBTE*, UH – Saitama University Visiting Scholars Seminar, Honolulu, Hawaii, Feb. 21, 2008.
17. Cheung, K.F, and **Robertson, I.N.**, *Development of Performance Based Tsunami Engineering – PBTE*, Joint ASCE/SEAOH Dinner Seminar, Honolulu, Hawaii, Nov. 29, 2007.
18. **Robertson, I.N.**, *Retrofit of Post-and-Pier Residential Construction*, Homeowner's Guide to Earthquake/Hurricane Preparation and Damage Mitigation Workshop, Hilo, Hawaii, Nov. 17, 2007.
19. **Robertson, I.N.**, *Development of Performance Based Tsunami Engineering – PBTE*, University of the Witwatersrand Seminar, Johannesburg, South Africa, Sept. 19, 2007.
20. **Robertson, I.N.**, *Development of Performance Based Tsunami Engineering – PBTE*, OSU Lunch Seminar, Corvallis, Oregon, Aug. 30, 2007.
21. **Robertson, I.N.**, *Retrofit of Post-and-Pier Residential Construction*, Homeowner's Guide to Earthquake/Hurricane Preparation and Damage Mitigation Workshop, Hapuna Beach, Hawaii, Aug. 26, 2007.
22. **Robertson, I.N.**, *Update on corrosion studies and effects of Hurricane Katrina on engineered structures*, Construction Specifications Institute seminar, Honolulu, Hawaii, August 21, 2007.

23. **Robertson, I.N.** and Nicholson, P., *Structural and Geotechnical effects of Hurricane Katrina on the US Gulf Coast*, Joint ASCE/SEAOH membership meeting, Honolulu, Hawaii, August 16, 2007.
24. **Robertson, I.N.**, *Shrinkage and Creep Predictions Evaluated Using 10-year Monitoring of the North Halawa Valley Viaduct*, Politecnico di Torino, Turin, Italy, July 4, 2007.
25. **Robertson, I.N.**, *Effects of storm surge and tsunamis on coastal buildings*, Politecnico di Torino, Turin, Italy, July 4, 2007.
26. **Robertson, I.N.**, *Performance of Engineered Structures under Severe Loading*, University of Florence, Florence, Italy, June 27, 2007.
27. **Robertson, I.N.**, *Fiber Reinforced Shear Retrofit of Bridge Girders*, University of Rome, La Sapienza, Rome, Italy, June 21, 2007.
28. **Robertson, I.N.**, *Performance Based Tsunami Engineering*, PBTE, UH-NSF Joint Research meeting, Honolulu, Hawaii, June 4, 2007.
29. **Robertson, I.N.**, *Tsunami Structural Sheltering*, Tsunami Reconnaissance for Vietnam Researchers, Honolulu, Hawaii, May, 2007
30. **Robertson, Ian**, and Chock, G., *Structural Damage Surveys for the October 15, 2006 Hawai`i Earthquakes*, SEAOH Spring 2007 Membership Meeting, Honolulu, Hawaii, April 19, 2007.
31. **Robertson, I.N.**, Nicholson, P.G., and Brandes, H.G., *Structural Damage due to the October 2006 Hawai`i Earthquakes*, Seismological Society of America 2007 Annual Meeting, Waikoloa, Hawaii, April, 2007.
32. **Robertson, I.N.**, *Hazard Mitigation*, UH College of Engineering Seminar Series, Honolulu, Hawaii, April 4, 2007.
33. **Robertson, Ian**, and Chock, G., *Damage Surveys and Loss Estimation for the October 15, 2006 Hawai`i Earthquakes*, 2007 Pacific Rim Steel Framing Conference, Honolulu, Hawaii, March 16, 2007.
34. **Robertson, Ian**, *Monitoring Progressive Collapse during Concrete Building Demolition*, American Concrete Institute Fall Convention, Denver, Colorado, November 6, 2006.
35. **Robertson, Ian**, *Corrosion of Cold-Formed Steel Framing and Concrete Reinforcing Steel*, 2006 Pacific Building Trade Expo, Honolulu, Hawaii, October 24, 2006.
36. **Robertson, Ian N.**, *Damage to Engineered Structures Due to Storm Surge During Hurricane Katrina*, Light Gauge Steel Engineers Association of Hawaii and Structural Engineers Association of Hawaii, Honolulu, HI, August 10, 2006.
37. **Robertson, Ian N.**, *Cold-Formed Steel Top-Plate Test Results*, Light Gauge Steel Engineers Association of Hawaii and Structural Engineers Association of Hawaii, Honolulu, HI, August 10, 2006.
38. **Robertson, Ian N.**, *Structural and Materials Research at the University of Hawaii at Manoa*, Structural Engineers Association of Hawaii and American Society for Civil Engineers, Honolulu, HI, July 20, 2006.
39. **Robertson, Ian N.**, and Riggs, H. Ronald, *Development of Performance Based Tsunami Engineering (PBTE)*, Fourth NEES Annual Meeting, Washington D.C., June 23, 2006.
40. **Robertson, Ian**, *Damage to Concrete Structures Due to Storm Surge During Hurricane Katrina*, American Concrete Institute Spring Convention, Charleston, North Carolina, March 28, 2006.

41. **Robertson, Ian**, *Shrinkage and Creep Predictions Evaluated using 10-Year Monitoring of the North Halawa Valley Viaduct*, American Concrete Institute Spring Convention, New York, April, 2005.
42. **Robertson, Ian**, *Field Instrumentation for Long-Term and Seismic Monitoring*, Applied Concrete Technology Conference, Midrand, South Africa, June 2004.
43. **Robertson, Ian**, *Corrosion of Steel Framing Fasteners: Research Update*, 2004 Pacific Rim Steel Framing Conference, Honolulu, Hawaii, April 2004.
44. **Robertson, Ian**, *Cold-Formed Steel Top-Plates for Non-concentric Construction*, Light Gauge Steel Engineers Association of Hawaii, Honolulu, Hawaii, October 23, 2003.
45. **Robertson, Ian**, *Corrosion of Galvanized Fasteners used in Cold-Formed Steel Framing*, Hawaii Pacific Steel Framing Alliance, Honolulu, Hawaii, October 23, 2003.
46. **Robertson, Ian**, *Flexural and Shear Strengthening of Prestressed Concrete Beams using Carbon Fiber Reinforced Polymer*, 2003 SEA0H Annual Convention, Lanai, Hawaii, August 2003.
47. **Robertson, Ian**, *Corrosion of Galvanized Fasteners used in Cold-Formed Steel Framing*, 2003 Pacific Rim Steel Framing Conference, Honolulu, Hawaii, April 2003.
48. **Robertson, Ian**, *Cold-Formed Steel Top-Plates for Non-concentric Construction – Research update*, Light Gauge Steel Engineers Association of Hawaii, Honolulu, Hawaii, January 17, 2003.
49. **Robertson, Ian N.**, *Limit States for Slab-Column Connections*, 2002 PEER Annual Meeting, Oakland, CA, January 2002
50. **Robertson, Ian N.**, *Concrete for Sustainable Construction*, 37th Annual Meeting of the Cement and Concrete Products Industry of Hawaii, Ko Olina, Hawaii, October 2001.
51. **Robertson, Ian N.**, *Corrosion of Steel and Fasteners*, 2001 Pacific Rim Steel Framing Conference, Ko Olina, Hawaii, September 2001.
52. **Robertson, Ian N.**, and Enomoto, Brian, *Hysteretic Modeling of Slab-Column Connections*, American Concrete Institute Spring Convention, Philadelphia, PA, March 27, 2001.
53. **Robertson, Ian N.**, and Enomoto, Brian, *Hysteretic Modeling of Slab-Column Connections*, NSF - Pacific Earthquake Engineering Research Center, Oakland, CA, October 20, 2000.
54. **Robertson, Ian N.**, *Hysteretic Modeling for Non-Linear Analysis of Slab-Column Connections*, NSF Pacific Earthquake Engineering Research Center Annual Meeting, Richmond, CA, May 23, 2000.
55. **Robertson, Ian N.**, *Stiffness of Flat Slab Systems*, American Concrete Institute Spring Convention, San Diego, CA, March 29, 2000.
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57. **Robertson, Ian N.**, *Correlation of Creep and Shrinkage Models with Field Observations*, ACI Fall Convention, Atlanta, Georgia, November 1997.
58. **Robertson, Ian N.**, *Creep and Shrinkage Prediction Models: A Case Study*, ACI Spring Convention, Seattle, Washington, April 1997.
59. **Robertson, Ian N.**, *Instrumentation for Long-Term Bridge Structure Monitoring: A Case Study*, Transportation Research Board Annual Meeting, Washington, DC, January 1997
60. **Robertson, Ian N.**, *Creep and Shrinkage: Comparison of Field and Laboratory Tests*, ACI Spring Convention, Denver, Colorado, March 1996.

61. **Robertson, Ian N.**, *Analytical Representation of Flat Plate Structures Under Vertical and Lateral Loads*, Dan Branson Symposium on Deflection of Concrete Structures, ACI Fall Convention, Montreal, Canada, November, 1995.
62. **Robertson, Ian N.**, *Analysis of Flat-Slab Structures for Vertical and Lateral Loads*, ACI Fall Convention, Minneapolis, Minnesota, November 1993.