

## Resume

### Bozidar Stojadinovic, Associate Professor

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#### Education

- May 1995      **Ph.D. Civil Engineering**                      **University of California, Berkeley**  
Major: Seismic design and analysis of concrete structures  
Minors: Theoretical mechanics, numerical mathematics  
Thesis Title: “Seismic Upgrading of Bridge Outrigger Knee Joint Systems”  
Thesis advisor: Professor C. R. Thewalt
- May 1990      **M.S. Civil Engineering**                      **Carnegie-Mellon University**  
Major: Computer-aided engineering  
Thesis Title: “Neural Computing in Civil Engineering”  
Thesis advisor: Professor D. R. Rehak
- March 1988      **Dipl.Ing. (B.S.) Civil Engineering**              **University of Belgrade, Yugoslavia**  
Major: Design of concrete structures  
Thesis Title: “Cable-Stayed Bridge over River Sava in Belgrade”  
Thesis advisor: Professor S. Venecanin

#### Employment History

- 2008 – today      **Professor**, CEE Department, University of California Berkeley  
2006 – today      **Director**, NEES Equipment Site laboratory, University of California Berkeley  
2003 – 2008      **Associate Professor**, CEE Department, University of California Berkeley  
2000 – 2003      **Assistant Professor**, CEE Department, University of California Berkeley  
1995 – 1999      **Assistant Professor**, CEE Department, University of Michigan, Ann Arbor  
1990 – 1995      **Graduate Research and Teaching Assistant**, CEE Department, University of California Berkeley  
1988 – 1990      **Graduate Research Assistant**, CEE Department, Carnegie-Mellon University  
1988              **Research Engineer**, Institute IMS, Belgrade, Yugoslavia  
1987              **Graduate Teaching Assistant**, CEE Department, University of Belgrade

#### Awards and Honors

- 2006              ACI Fellow  
2004              ASCE Walter L. Huber Civil Engineering Research Prize  
2003              University of California Berkeley Presidential Chair Fellow Award  
1999              NSF CAREER Award: Haptic Models of Large Structures  
1999              ASCE/CERF CAREER Award  
1997              University of Michigan Presidents Initiative Fund Award

1988            ‘‘B. Korolija’’ Prize for Outstanding Scholastic Achievement  
1987            University of Belgrade Award for Outstanding Academic Achievement.

**University of California Berkeley**

January 2000–present

Professor of Civil Engineering

Performing teaching, research and service duties at the Department of Civil and Environmental Engineering. Teaching assignments include two undergraduate (Structural Engineering and Design of Steel Structures) and three graduate courses (Design of Steel and Composite Structures, Behavior of Steel Structures, and Experimental Methods in Structural Engineering). Recent and ongoing funded research projects address: 1) development of probabilistic performance-based seismic design tools for bridge design and evaluation; 2) development of probabilistic risk-reduction factor based evaluation procedures for nuclear facility structures; 3) development of hybrid simulation experimental methods for examination of seismic behavior of structures using NSF’s George E. Brown Jr. Network for Earthquake Engineering Simulation (NEES); 4) design and development of the *nees@berkeley* Equipment Site; 5) experimental evaluation and development of fragility models for reinforced concrete bridge columns, reinforced concrete shear walls, and steel moment connections and steel column base connections; 6) simulation of earthquake motion and response of structures in an urban region; 7) integration of acquired wireless sensor data into a framework for evaluation of the state of the structure after an extreme seismic or blast event; and 8) development of haptic interfaces for structural analysis software. Professional and department service duties are: Director (from 09/2006) and Associate Director (09/2004 to 09/2006) of the UC Berkeley NEES Equipment Site, member of the UC Berkeley Seismic Review Committee, UC Berkeley representative of the board of CUREE, Member of the UC Berkeley College of Engineering SUPERB committee, and EERI Student Chapter Faculty Advisor.

**University of Michigan, Ann Arbor**

July 1995–December 1999

Professor of Civil Engineering

Performed teaching, research and service duties at the Department of Civil and Environmental Engineering. Teaching assignments include two undergraduate courses (Solid and Structural Mechanics, and Reinforced Concrete Design) and three graduate courses (Dynamics of Structures, Finite Element Methods in Solid and Structural Mechanics, and Earthquake Engineering). Completed research projects include: 1) development of Free Flange fully restrained steel beam-to-column connection (FEMA-350); 2) examination of reasons for failure of steel moment connections; 3) investigation of seismic behavior and design options for moment-resistant column bases; and 4) applications of augmented reality for detecting and managing hazard imperceptible by human senses. Developed and conducted a short course on Dynamics of Structures at the Black and Veatch Ann Arbor office. Department service duties were: Associate Director of the Structures Laboratory, ASCE Student Chapter Faculty Advisor and member of the departmental Research Committee.

**University of California Berkeley**

January 1990–June 1995

Graduate Student

Completed requirements for a Ph.D. degree in Civil Engineering. Worked as a project engineer on a SAC Joint Venture project to experimentally analyze the pre-Northridge style steel beam-to-column connections with Professor E. P. Popov. Performed experimental and theoretical analysis of the behavior of existing and upgraded bridge outriggers with Professor C. R.

Thewalt. Wrote ArcS, a program for interactive nonlinear analysis of reinforced concrete cross sections. Worked as a Teaching Assistant for two graduate courses: Nonlinear Structural Analysis and Finite Element Methods.

### **Carnegie-Mellon University**

August 1988–December 1989

Graduate Student

Completed requirements for an M.S. degree in Civil Engineering. Examined potential uses of the neural computing paradigm in engineering design and developed sample applications. Assisted in teaching of an undergraduate Structural Analysis course.

### **Professional Memberships**

Earthquake Engineering Research Institute, Member, 1992

American Concrete Institute, Member, 1993

American Society of Civil Engineers, Associate Member, 1995

American Institute of Steel Construction, Member, 1996

Structural Stability Research Council, Member, 1999

Consortium of Universities for Research in Earthquake Engineering, Board Member, 2000

Network for Earthquake Engineering Simulation, Member, 2000

### **Synergistic Activities**

- NSF George E. Brown Jr. NEES: PI of the *nees@berkeley* Equipment Site.
- NSF George E. Brown Jr. NEES: Co-PI on the University of California, Berkeley NEES Equipment Sites development award and collaborator on development of NEESgrid.
- CE 249 ‘‘Experimental Methods in Structural Engineering’’: development of a new graduate student course with a strong focus on experimental techniques used in NEES. Web page for the course is at: <http://www.ce.berkeley.edu/~boza/courses/cee249/index.html>
- NSF CAREER Award ‘‘Haptic Models of Large Structures’’: development of new teaching and research tools based on a using the sense of touch via a haptic computer interface.
- UC Berkeley College of Engineering Department SUPERB Committee member. SUPERB, URAP and GE Faculty for the Future Research Fellowship Program participant at the University of Michigan. Faculty sponsor for students from underrepresented groups in the Berkeley Edge Program.
- University of Michigan PIF project ‘‘Hazard Detection using Augmented Reality’’: multi-disciplinary application of new technology.
- University of California, Berkeley EERI Student Chapter and ASCE Steel Bridge team faculty advisor. University Michigan ASCE Student Chapter faculty advisor.

### **Collaborators & Other Affiliations**

#### **(i) Collaborators (in alphabetic order)**

Dr. Svetlana Brzev, BCIT, Vancouver, Canada; Prof. Scott Campbell, Kinetics Noise Control, Columbus, OH; Prof. Kevin R. Collins, Lawrence Tech University; Prof. Reginald DesRoches, Georgia Tech, Atlanta; Prof. Gregory L. Fenves, University of California, Berkeley; Prof. Alonso Fernandez, National Polytechnic Institute, Oaxaca, Mexico; Prof. Subhash C. Goel, University of Michigan, Ann Arbor; Prof. Tatijana Isakovic, University of Ljubljana, Slovenia; Prof. Roberto Leon, Georgia Tech, Atlanta; Prof. Stephen A. Mahin, University of California, Berkeley; Prof. Kurt McMullin, San Jose State University; Prof. Jack P. Moehle, University of California, Berkeley; Prof. Khalid Mosalam, University of California, Berkeley; Prof. Andrew Reinhorn, University at Buffalo; Prof. Enrico Spacone, University of Pescara,

Italy; Prof. Benson Shing, University of Colorado, Boulder; Prof. Iris Tommelein, University of California, Berkeley.

**(ii) Graduate and Post Doctoral Advisors**

Prof. Christopher R. Thewalt, Leica Geosystems, Inc.; Prof. Stephen A. Mahin, University of California at Berkeley; Prof. Egor P. Popov, University of California at Berkeley.

**(iii) Thesis Advisor**

Ms. Catherine Whyte, Mr. Clement Barthes, Mr. Eugene Gording, Mr. Jeff Hunt, Ms. Vesna Terzic, Ms. Ady Aviramtraubita, Ms. Parisa Mansouri-Dana, Ms. Meghann Rand, Mr. Nicolas Woringer, Ms. Jan Goethals, Mr. John-Michael Wong, Mr. Tammer Botros, Dr. Akshay Sthapit, Dr. Tony Yang, Mr. Georgios Petropoulos, Dr. Kevin Mackie, Dr. Gilberto Mosqueda, Dr. Taejin Kim, Dr. Kyungkoo Lee, Dr. Jaesung Park, Mr. Tim Wiley, Dr. Dae-Yong Lee, Dr. Areg G. Margarian, Dr. Mohamed B. Fahmy, Dr. Arnon Wongkaew, Dr. Jae-Hyung Choi, Dr. Sutat Leelataviwat, Dr. Kyoung-Hyeog Lee, Dr. Madhusudan Kunthia

**(iv) Postgraduate Scholar Sponsor**

Dr. Shizhu Tian, Dr. Anastasios Sextos, Mr. Nicola Tondini, Dr. Annalisa Scacchioli, Dr. Kevin Mackie, Dr. Gilberto Mosqueda, Dr. Taejin Kim, Dr. Madhusudan Kunthia, Dr. Tomaz Sokol, Dr. Leslaw Kwasniewski, Mr. Wojciech Witkowski, Dr. Sun-Gul Hong, Dr. Yalin Arici, Dr. Sang-Whan, Han

## **Refereed Journal Publications**

1. Stojadinovic, B., "A Proposal for a New Cable-Stayed Bridge Near Belgrade," Bulletin of the IMS Institute, July 1988, Vol. 2, No. 1, pp. 47-52, (in Serbian).
2. Thewalt, C. R. and B. Stojadinovic, "A Stable Reinforced Concrete Section Analysis Procedure", ASCE, Journal of Structural Engineering, October 1994, Vol. 120, No. ST10, pp. 3012-3024.
3. Thewalt, C. R. and B. Stojadinovic, "Behavior of Bridge Outrigger Knee Joint Systems," Earthquake Spectra, EERI, August 1995, Vol. 11, No. 3, pp. 477-509.
4. Thewalt, C. R. and B. Stojadinovic, "Evaluation and Upgrading of Outrigger Knee Joints", in Seismic Rehabilitation of Concrete Structures, 1996, ACI Committee 364 & 369 Special Pub. SP-160, paper 14, pp. 275-298.
5. LaFave, J. M., B. Stojadinovic and J. K. Wight, "Lab Experiments for Reinforced Concrete Design Course", Concrete International, American Concrete Institute, December 1996, Vol. 18, No. 12, pp. 59-62.
6. Goel, S. C., B. Stojadinovic and K. H. Lee, "Truss Analogy for Steel Moment Connections", AISC Engineering Journal, 1997, 2nd Quarter, pp. 43-53.
7. Goel, S. C., S. Leelataviwat and B. Stojadinovic, "Steel Moment Frames with Ductile Girder Web Opening", AISC Engineering Journal, 1997, pp. 115-125, 4th Quarter.
8. Khuntia, M., B. Stojadinovic and S. C. Goel, "Shear Strength of Normal and High-Strength Fiber Reinforced Concrete Beams without Stirrups", ACI Structural Journal, March/April 1999, Vol. 96, No. 2, pp. 282-289.
9. Stojadinovic, B. "Design and Seismic Response of Upgraded Outrigger Knee Joints", in ACI Committee 341 Special Publication SP-187 Seismic Response of Concrete Bridges, July 1999, pp.159-184.
10. Leelataviwat S., S. C. Goel and B. Stojadinovic, "Toward Performance-Based Seismic Design of Structures ", EERI Earthquake Spectra, August 1999, Vol. 15, No. 3, pp. 435-483.
11. Goel, S. C., K.H. Lee and B. Stojadinovic, "Design of Welded Steel Moment Connections using Truss Analogy", AISC Engineering Journal, January 2000, Vol. 37, No. 1, pp. 31-40.
12. Stojadinovic, B., S. C. Goel, K.H. Lee, A. G. Margarian and J.-H. Choi, "Parametric Tests on Unreinforced Steel Moment Connections", ASCE Journal of Structural Engineering, January 2000, Vol. 126, No. 1, pp. 40-49.
13. Goel, S. C., K.-H. Lee and B. Stojadinovic, "Design of Welded Steel Moment Connections using Truss Analogy", in AISC Steel Tips: Connections for Use in Special Moment Resisting Steel Frames, Roy Becker editor, AISC, July 2000.
14. Khuntia, M. and B. Stojadinovic, "Shear Strength of R/C Members without Transverse Reinforcement", ACI Structural Journal, September-October 2001, Vol. 98, No. 6, pp. 648-656.
15. Mackie, K. and B. Stojadinovic, "Probabilistic Seismic Demand Model for California Highway Bridges", ASCE Journal of Bridge Engineering, November/December 2001, Vol. 6, No. 6, pp. 468-481.
16. Leelataviwat, S., S. C. Goel and B. Stojadinovic, "Energy-based Seismic Design of Structures Using Yield Mechanism and Target Drift", ASCE Journal of Structural Engineering, August 2002, Vol. 128, No. 8, pp. 1046-1054.

17. J.H. Choi, B. Stojadinovic and S. C. Goel, "Design of Free Flange Moment Connection", AISC Engineering Journal, January 2003, Vol.29, No. 1, pp. 25-41.
18. Stojadinovic, B., "Stability and Low-Cycle Fatigue Limits of Moment Connection Rotation Capacity", Engineering Structures, April 2003, Elsevier Science, 25, pp. 691-700.
19. M. Bruneau, M. Engelhardt, A. Filiatrault, S.C. Goel, A. Itani, J. Hajjar, R. Leon, J. Ricles, B. Stojadinovic and C.-M. Uang, "Review of Selected Recent Research on US Seismic Design and Retrofit Strategies for Steel Structures", Progress in Structural Engineering and Materials, John Wiley and Sons, April 2005, Vol. 7, No. 3, pp. 103-114.
20. K. Mackie and B. Stojadinovic, "Post-Earthquake Functionality of Highway Overpass Bridges", Earthquake Engineering and Structural Dynamics, John Wiley and Sons, January 2006, Vol. 35, No. 1, pp. 77-93.
21. B. Stojadinovic, G. Mosqueda, and S. A. Mahin, "Event-Driven Control System for Geographically Distributed Hybrid Simulation", ASCE Journal of Structural Engineering, January 2006, Vol. 132, No. 1, pp. 68-77.
22. Mackie, K. and B. Stojadinovic, "Fourway: Graphical tool for Performance-Based Earthquake Engineering", ASCE Journal of Structural Engineering, August 2006, Vol. 132, No. 8, pp. 1274-1283.
23. Mosqueda, G., B. Stojadinovic and S. A. Mahin, "Real-Time Error Monitoring for Hybrid Simulation, Part I: Methodology and Experimental Verification", ASCE Journal of Structural Engineering, August 2007, Vol. 133, No. 8, pp. 1100-1108.
24. Mosqueda, G., B. Stojadinovic and S. A. Mahin, "Real-Time Error Monitoring for Hybrid Simulation, Part II: Structural Response Modification with Errors", ASCE Journal of Structural Engineering, August 2007, Vol. 133, No. 8, pp. 1109-1117.
25. Mackie, K. and B. Stojadinovic, "R-factor Parameterized Bridge Damage Fragility Curves", ASCE Journal of Bridge Engineering, August 2007, Vol. 12, No. 4, pp. 500-510.
26. Mosqueda, G., B. Stojadinovic, J. Hanley, M. Sivaselvan and A. Reinhorn, "Hybrid Simulation with Geographically Distributed Substructures," ASCE Journal of Structural Engineering, accepted for publication, March 2007.
27. Mackie, K. and B. Stojadinovic, "Performance-Based Seismic Bridge Design for Damage and Loss Limit States", Earthquake Engineering and Structural Dynamics, John Wiley and Sons, October 2007, Vol. 36, No. 13, pp. 1953-1971
28. Gulec, C. K., A. S. Whittaker and B. Stojadinovic, "Shear Strength of Squat Rectangular Shear Walls", ACI Structures Journal, accepted for publication, May 2007.
29. Kim, T., B. Stojadinovic, and A. S. Whittaker, "Seismic Performance of Pre-Northridge Welded Steel Moment Connections to Built-up Box Columns", ASCE Journal of Structural Engineering, February 2008, Vol. 134, No. 2, pp. 289-299.
30. Han, S. W, K. H. Moon, B. Stojadinovic and D. Foutch, "Moment Strength of Reduced Beam Section Connections with Bolted Webs", ASCE Journal of Structural Engineering, submitted for publication, June 2007.
31. Gulec, C. K., A. S. Whittaker and B. Stojadinovic, "Shear Strength of Squat Reinforced Concrete Walls with Boundary Barbells or Flanges", ACI Structures Journal, submitted for publication, October 2007.
32. Kim, T., B. Stojadinovic, and A. S. Whittaker, "Brittle Fracture of Pre-Northridge Fully Restrained Moment Connections to Box Columns", Engineering Structures, submitted for publication, October 2007.

## **Refereed Conference Publications**

1. Thewalt, C. R. and B. Stojadinovic, "Behavior and Retrofit of Bridge Outrigger Beams," Proceedings, Tenth World Conference on Earthquake Engineering, July 1992, Vol. 9, pp. 5291-5296, Madrid, Spain.
2. Stojadinovic, B. and C. R. Thewalt, "Behavior of R/C Beam and Knee Joint Retrofits," Proceedings, Fifth U.S. National Conference on Earthquake Engineering, July 1994, Vol. 2, pp. 571-578, Chicago, Illinois.
3. Thewalt, C. R. and B. Stojadinovic, "Improving Seismic Performance of Outrigger Knee Joints," Proceedings, IABSE Symposium: Extending the Lifespan of Structures, August 1995, Vol. 73/1, pp. 615-620.
4. Thewalt, C. R. and B. Stojadinovic, "Design of a Seismic Upgrade for Outrigger Knee Joints," Eleventh World Conference on Earthquake Engineering, June 1996, CD-ROM paper no. 1734, Acapulco, Mexico.
5. Stojadinovic, B. and C. R. Thewalt, "Energy Balanced Hysteresis Models," Eleventh World Conference on Earthquake Engineering, June 1996, CD-ROM paper no. 1729, Acapulco, Mexico.
6. Goel, S. C., B. Stojadinovic and K.H. Lee, "A New Theory for Steel Moment Connections," International Conference on Behavior of Steel Structures in Seismic Areas, August 4-7 1997, STESSA'97, F. M. Mazzolani and H. Akiyama, editors, pp. 600-608, Kyoto, Japan.
7. Lee, K.H., S. C. Goel and B. Stojadinovic, "Boundary Effects on Stress Redistribution in Steel Moment Connections," Sixth U.S. National Conference on Earthquake Engineering, June 1998, CD-ROM, Seattle, WA.
8. Leelataviwat, S., S. C. Goel and B. Stojadinovic, "Drift and Yield Mechanism Based Seismic Design of Structures," Sixth U.S. National Conference on Earthquake Engineering, June 1998, CD-ROM, Seattle, WA.
9. Stojadinovic, B., E. Spacone, S. C. Goel and M. Kwon, "Influence of Semi-Rigid Column Base Models on the Response of Steel MRF Buildings," Sixth U.S. National Conference on Earthquake Engineering, June 1998, CD-ROM, Seattle, WA.
10. Fahmy, M., B. Stojadinovic, S. C. Goel and T. Sokol, "Load Path and Deformation Mechanism of Moment-Resisting Steel Column Bases," Sixth U.S. National Conference on Earthquake Engineering, June 1998, CD-ROM, Seattle, WA.
11. Campbell, S. and B. Stojadinovic, "A System for Simultaneous Pseudo-dynamic Testing of Multiple Substructures," Sixth U.S. National Conference on Earthquake Engineering, June 1998, CD-ROM, Seattle, WA.
12. Jankovic, S., B. Stojadinovic and J. K. Wight, "Comparative Non-Linear Analysis of an R/C Frame Building Designed Following the EC8, NZS 3101 and ACI 318 Codes," Eleventh European Conference on Earthquake Engineering, CD-ROM, Paris, France.
13. Fahmy, M., B. Stojadinovic, S. C. Goel and T. Sokol, "Seismic Behavior of Moment-Resisting Steel Column Bases," Eleventh European Conference on Earthquake Engineering, September 1998, CD-ROM, Paris, France, September 1998.
14. Stojadinovic, B., S. C. Goel and K.H. Lee, "Development of Post-Northridge Steel Moment Connections," in Proceedings 12th World Conference on Earthquake Engineering, January 2000, CD-ROM, paper 1269, Auckland, New Zealand.

15. Collins, K. R., and B. Stojadinovic, "Limit States for Performance-Based Design," in Proceedings 12th World Conference on Earthquake Engineering, January, 2000, CD-ROM, paper 0716, Auckland, New Zealand.
16. Lee, K. H., S. C. Goel and B. Stojadinovic, "Boundary Effects in Steel Moment Connections," in Proceedings 12th World Conference on Earthquake Engineering, January 2000, CD-ROM, paper 1098, Auckland, New Zealand.
17. Choi, J., B. Stojadinovic, and S. C. Goel, "Development of the Free Flange Steel Moment Connection," in Proceedings of STESSA 2000, August 2000, Third International Conference on the Behavior of Steel Structures in Seismic Areas, pages 667--673, A. A. Balkema, Rotterdam.
18. Fahmy, M., B. Stojadinovic and S. C. Goel, "Cyclic Behavior of Steel Column Basis," in Proceedings of STESSA 2000, Third International Conference on the Behavior of Steel Structures in Seismic Areas, August 2000, pages 191-197, A. A. Balkema, Rotterdam, Nagoya.
19. Kim, T., B. Stojadinovic and A. Whittaker, "Behavior of Steel Moment Connections between a Steel Wide-Flange Beam and a Box Column," Seventh U.S. National Conference on Earthquake Engineering, Boston, MA, July 2002, CD-ROM, EERI, pp. 1-10.
20. Lee, D., S. C. Goel and B. Stojadinovic, "Relative Strength Effects On Seismic Behavior Of Column-Base Plate Connections Under Weak Axis Bending," Seventh U.S. National Conference on Earthquake Engineering, Boston, MA, July 2002, CD-ROM, EERI, pp. 1-10.
21. Stojadinovic, B., K. Mosalam, S. A. Mahin and J. P. Moehle, "Reconfigurable Reaction Wall Seismic Testing Facility," Seventh U.S. National Conference on Earthquake Engineering, July 2002, Boston, MA, CD-ROM, EERI, pp. 1-10.
22. Mackie, K. and B. Stojadinovic, "Relation between Probabilistic Seismic Demand Analysis and Incremental Dynamic Analysis," Seventh U.S. National Conference on Earthquake Engineering, Boston, MA, July 2002, CD-ROM, EERI, pp. 1-10.
23. Mackie, K. and B. Stojadinovic, "Design Parameter Sensitivity In Bridge Probabilistic Seismic Demand Models," Seventh U.S. National Conference on Earthquake Engineering, Boston, MA, July 2002, CD-ROM, EERI, pp.1-10.
24. Mackie, K. and B. Stojadinovic, "Optimal Probabilistic Seismic Demand Models for Typical Highway Overpass Bridges," 12th European Conference on Earthquake Engineering, London, UK, September 2002, pp. 1-10, CD-ROM.
25. Reitherman, R., W. Holmes, B. Kutter, S. Mahin, T. Prudhomme, A. Reinhorn, B. Stojadinovic, K. Stokoe and S. Yim, "Use of Experimental Facilities in NEES Colaboratory Research," Seventh U.S. National Conference on Earthquake Engineering, Boston, MA, July 2002, CD-ROM, EERI, pp. 1-11.
26. Jankovic, S. and B. Stojadinovic, "Probabilistic Seismic Demand Model for an EC8 R/C Frame Building," 12th European Conference on Earthquake Engineering, London, UK, September 2002, pp. 1-10, CD-ROM.
27. Lee, K., and B. Stojadinovic, "Seismic Bracing Requirements for US Steel Moment Connections," 2003 Annual Stability Conference, April 2003, Fort Lauderdale, FL, CD-ROM, AISC and NASCC, pp. 1-20.
28. Jankovic, S., B. Stojadinovic, M. Ulicevic and J. Popovic, "The Effects of R/C Frame Stiffness Modeling on Seismic Performance," "FIB 2003 Symposium: Concrete Structures in Seismic Regions, May 2003, Athens, Greece, pp. 1-8.

29. Lee, K. and B. Stojadinovic, "Seismic Rotation Capacity and Lateral Bracing of US Steel Moment Connections," STESSA 2003: Behavior of Steel Structures in Seismic Areas, June 2003, pp. 335-342.
30. Stojadinovic, B., N. Orbovic and M. Bouchon, "Seismic Performance-Based Evaluation Procedures for R/C Structures in Nuclear Facilities," 6th National Colloquium of the French Para-Seismic Association (AFPS), Paris, France, August 1-3, 2003, pp. 1-8.
31. Stojadinovic, B., N. Orbovic, M. Bouchon and J. T. Wiley, "Static and Dynamic Evaluation of an Existing Nuclear Facility Concrete Frame Structure," International Symposium on Seismic Evaluation of Existing Nuclear Facilities, August 25-29, 2003, Vienna, Austria, pp. 1-4.
32. Mackie, K., and B. Stojadinovic, "Degradation of Reinforced Concrete Column Axial Strength," 5th International PhD Symposium in Civil Engineering, Delft, June 2004, pp. 1-9.
33. Mackie, K. and B. Stojadinovic, "Post-Earthquake Function of Highway Overpass Bridges," in Proceedings of International Workshop on Performance-Based Seismic Design Concepts and Implementation, June 28-July 1, 2004, CD-ROM and PEER 2004/05 Technical Report, Bled, Slovenia, pp. 1-12.
34. G. Mosqueda, B. Stojadinovic and S. A. Mahin, "Geographically Distributed Continuous Hybrid Simulation", 13th World Conference on Earthquake Engineering, CD-ROM Paper #959, Vancouver, Canada, August 2004.
35. J.-M. Wong and B. Stojadinovic, "Structural Sensor Data Repository: Metadata and Web-Based User Interface", 13th World Conference on Earthquake Engineering, CD-ROM Paper #956, Vancouver, Canada, August 2004.
36. T. Kim, B. Stojadinovic and A. Whittaker, "Seismic Performance of US Steel Box Column Connections", 13th World Conference on Earthquake Engineering, CD-ROM Paper #981, Vancouver, Canada, August 2004.
37. K. Lee and B. Stojadinovic, "Low-Cycle Fatigue Limit on Seismic Rotation Capacity for US Steel Moment Connections", 13th World Conference on Earthquake Engineering, CD-ROM Paper #90, Vancouver, Canada, August 2004.
38. N. Orbovic, B. Stojadinovic, M. Bouchon and T. Wiley, "Seismic Performance-Based Evaluation of Nuclear Facility Structures", 13th World Conference on Earthquake Engineering, CD-ROM Paper #254, Vancouver, Canada, August 2004.
39. B. Stojadinovic, J.P. Moehle, S. A. Mahin, K. Mosalam and J. F. Canny, "NEES Equipment Site at the University of California, Berkeley", 13th World Conference on Earthquake Engineering, CD-ROM Paper #1540, Vancouver, Canada, August 2004.
40. K.R. Mackie and B. Stojadinovic, "Fragility Curves for Reinforced Concrete Highway Overpass Bridges", 13th World Conference on Earthquake Engineering, CD-ROM Paper #1553, Vancouver, Canada, August 2004.
41. K.R. Mackie and B. Stojadinovic, "Improving Probabilistic Seismic Demand Models through Refined Intensity Measures", 13th World Conference on Earthquake Engineering, CD-ROM Paper #1556, Vancouver, Canada, August 2004.
42. K.R. Mackie and B. Stojadinovic, "Residual Displacement and Post-Earthquake Capacity of Highway Bridges", 13th World Conference on Earthquake Engineering, CD-ROM Paper #1550, Vancouver, Canada, August 2004.
43. J. Park, G. L. Fenves and B. Stojadinovic, "Spatial Distribution of Response of Multi-Story Structures for Simulated Ground Motion", 13th World Conference on Earthquake Engineering, CD-ROM Paper #1545, Vancouver, Canada, August 2004.

44. S. Jankovic and B. Stojadinovic, "Probabilistic Performance-Based Seismic Demand Model for R/C Frame Buildings", 13th World Conference on Earthquake Engineering, CD-ROM Paper #1547, Vancouver, Canada, August 2004.
45. J.-M. Wong and B. Stojadinovic, "Metadata and Network API Aspects of a Framework for Storing and Retrieving Civil Infrastructure Monitoring Data", in Proceedings of the SPIE International Symposia on Smart Structures and Materials/NDE, pp. 1-12, San Diego, CA, Feb. 26-Mar. 2, 2005
46. J.-M. Wong and B. Stojadinovic, "Wireless Sensor Seismic Response Monitoring System Implemented on Top of NEESgrid", in Proceedings of the SPIE International Symposia on Smart Structures and Materials/NDE, pp. 1-11, San Diego, CA, Feb. 26-Mar. 2, 2005
47. Aviram, A. and B. Stojadinovic, "Evaluation of Design Methods for Column-Base Plate Connections in Gravity and Moment Resisting Frames," Proceedings, Eighth National Conference on Earthquake Engineering, San Francisco, CA, USA, April 18-22, 2006, CD, Paper #1269.
48. Mosqueda, G., B. Stojadinovic and S. Mahin, "Energy-Based Procedure for Monitoring Experimental Errors in Hybrid Simulation," Proceedings, Eighth National Conference on Earthquake Engineering, San Francisco, California, April 18-22, 2006, CD, Paper #1271.
49. Yang, T.Y., B. Stojadinovic and J. Moehle, "Hybrid Simulation Evaluation of Innovative Steel Braced Framing System," Proceedings, Eighth National Conference on Earthquake Engineering, San Francisco, California, April 18-22, 2006, CD, Paper #1415.
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