

PAUL S. CHINOWSKY
Associate Professor
Department of Civil, Environmental, and Architectural Engineering

I.EARNED DEGREES

Ph.D.	1991	Stanford University	Civil Engineering
MArch	1988	California Polytechnic State University	Computer-Aided Engineering
BArch	1987	California Polytechnic State University	Architecture (Minor: Computer Science) ¹

II.EMPLOYMENT

2002 – Present	Associate Professor	University of Colorado at Boulder Civil, Environmental, and Arch. Engr
2005 – Present	Visiting Professor	Loughborough University Civil and Environmental Engineering
2000- 2002	Associate Professor	Georgia Institute of Technology Civil and Environmental Engineering
1994 – 2000	Assistant Professor	Georgia Institute of Technology Civil and Environmental Engineering
1991 - 1994	Principal Analyst	Stone & Webster Advanced Systems Development Services
1994 – 1994	Lecturer	Boston University Department of Computer Science

III.TEACHING

A. PhD STUDENT PRIMARY ADVISOR

Stephen Sewalk (Current)
Starting Semester: Fall 2006
Projected Completion: Fall 2008
Research: Alternative Financing of Energy Projects

John O'Brien (Current)
Starting Semester: Fall 2006
Projected Completion: Spring 2009
Research: Disaster Resiliency for Wastewater Treatment Plants

Liron Yovel (Current)
Starting Semester: Fall 2007
Projected Completion: Spring 2010
Research: Cultural Impact on Construction Globalization

¹ Note: First three years of curriculum are joint between architecture and architectural engineering degree programs

Paul Block (co-advisor with Prof. Ken Strzepek)
Starting Semester: Fall 2004
Completion: Summer 2007
Research: Public-Private-Partnerships in South Africa Water Development
Current Position: Lead hydrologist, Department of State Parks, State of Colorado

Colleen Butler
Starting Semester: Spring 2003
Completion: Summer 2005
Research: Leadership Characteristics of Construction Professionals
Current Position: Independent Consultant

Gena Abraham
Starting Quarter: Spring 1998
Completion: Spring 2002
Research: Success Factors in Construction Organizations
Current Position: Commissioner, Department of Transportation, State of Georgia

Angela Birkes (Co-Advisor with Prof. Nelson Baker)
Starting Quarter: Spring 1996
Completion: Fall 1999
Research: Multimedia Databases for Civil Engineering
Current Position: Independent Consultant

James Meredith
Starting Quarter: Summer 1997
Completion: Fall 1999
Research: Strategic Planning in Construction
Current Position: Independent Consultant

Robin Goodman
Starting Quarter: Fall 1995
Completion: Summer 1998
Research: A Taxonomy of Knowledge Requirements for Construction Executives
Current Position: Strategy Analyst, IxL Communications

B. OTHER TEACHING ACTIVITIES

CU Curriculum Development

1. New Course: Globalization – A new course for graduate level civil engineering students focusing on the challenges of competing in a global environment. Issues such as emerging market entrance, political, economic, and cultural challenges are introduced in conjunction with the development of an international design project.
2. New Course: Construction Organizations - In response to discussions with industry leaders, Construction Organizations has been introduced to provide students with an executive viewpoint of the construction industry. The course represents one of the few executive level courses for construction students in the United States. Students have the opportunity to conduct case analysis studies while developing business plans for a new civil engineering organization.

3. New Course: IT in Construction – A new course for graduate level construction students that spotlights emerging and new technologies in the construction field. Students have the opportunity to try new technologies while learning how to assess technology requirements and evaluate emerging technologies.

Current Continuing Education Courses

1. Strategic Management for Engineering, American Council of Engineering Companies – A two-part course focused on introducing engineering company executives to current trends in organization management.
2. Small Business Development for Construction, Associated General Contractors – A multiple course series designed to provide small businesses with the infrastructure to pursue non-traditional contract opportunities.
3. Management Education for Construction Organizations, State of Georgia Mentor-Protégé program – Presented as part of the Governor’s Mentor-Protégé Program, this course was designed to enhance the management practices of small and minority construction firms.
4. Strategic Management in Civil Engineering Organizations, American Society of Civil Engineers – Dr. Chinowsky developed a two-day course for ASCE based on his book, Strategic Corporate Management in Civil Engineering.

IV.SCHOLARLY ACCOMPLISHMENTS

A. PUBLISHED BOOKS AND PARTS OF BOOKS

1. Chinowsky, Paul S. and Taylor, James (2007). "Leadership and Team Development in Construction," in **Revaluing Construction: A W065 ‘Organisation and Management of Construction’ Perspective**, CIB.
2. Garvin, Michael, Edum-Fotwe Francis, and Chinowsky, Paul S. (editors) (2007). **Proceedings of the 2007 ASCE/CIB Construction Congress**, May, 2007, Grand Bahama Island, Bahamas, CIB.
3. Songer, Tony and Chinowsky, Paul S, and Carrillo, Patricia. (editors) (2006). **Proceedings of the Second Specialty Conference on Leadership and Management in Construction**, CIB.
4. Chinowsky, Paul S. and Songer, Tony (editors) (2004). **Proceedings of the 2004 ASCE Specialty Conference on Leadership and Management in Construction**, PM Publishing.
5. Molenaar, Keith R. and Chinowsky, Paul S. (editors) (2003). **Proceedings of the 2003 ASCE Construction Congress**, March, 2003, Honolulu, Hawaii, ASCE Press.
6. Songer, Anthony D. and Chinowsky, Paul S. (editors) (2001). **Proceedings of the ASCE Specialty Conference on Fully Integrated Project Processes**, ASCE Press, Reston, Virginia.
7. Chinowsky, Paul S. (2001). **Successful Directions**, PM Publishing, Atlanta.

8. Chinowsky, Paul S. (2000). **Strategic Corporate Management in Civil Engineering**, Oxford University Press, New York.
9. Chinowsky, Paul S. and Teicholz, Paul (in press). "The CAADIE Project: Adding Knowledge-Based Paradigms to Architectural Layout Generation." Chapter 3 of **Integrated Facility Engineering**, Gordon and Breach Publishers, Novato, CA.
10. Vanegas, Jorge and Chinowsky, Paul S. (editors) (1996). **Proceedings of the ASCE Third Congress on Computing in Civil Engineering**, ASCE Press, New York.
11. Chinowsky, Paul S. (1996). "Insight: Educating Design Professionals." Chapter 7 of **The Executive Architect**, John Wiley and Son, New York.

B. REFEREED PUBLICATIONS

Articles in Refereed Archival Journals

1. Chinowsky, Paul S., Diekmann, James, and Galotti, Victor (in press). "A Social Network Model for Construction," *Journal of Construction Engineering and Management*, ASCE.
2. Larsen, Peter H., Goldsmith, Scott, Smith, Orson, Wilson, Meghan, Strzepek, Kenneth, Chinowsky, Paul, and Saylor, Ben (in press). "Estimating the Future Costs of Alaska Public Infrastructure at Risk From Climate Change," *Global Environmental Change Journal*.
3. Block, Paul, Chinowsky, Paul, and Strzepek, Kenneth (in review). "Resource Based Models: Economic Empowerment and Environmental Sustainability," *Water Policy Journal*.
4. Songer, Tony, Chinowsky, Paul, and Butler, Colleen (in press). "Leadership Behaviour in Construction Executives," *E-Journal of Construction Management*, Construction management Association of America.
5. Chinowsky, Paul S. (in press). "A Staircase Model for Successful Practice Implementation," *Journal of Management in Engineering*, ASCE.
6. Chinowsky, Paul S., Molenaar, Keith, and Bastias, Alfonso (2007), "Measuring Achievement of Learning Organizations in Construction," *Journal of Engineering, Construction, and Architectural Management*, 14(3), 215-227.
7. Chinowsky, Paul S. and Carrillo, Patricia (2007). "The Knowledge Management to Learning Organization Connection," *Journal of Management in Engineering*, ASCE, 23(3). 122-130.
8. Chinowsky, Paul S. and Molenaar, Keith R. (2007). *Learning Organizations in Construction*, *Journal of Management in Engineering*, 23(1), 27-34, ASCE
9. Butler, Colleen and Chinowsky, Paul S. (2006). "Leadership Characteristics of Construction Professionals," *Journal of Management in Engineering*, ASCE, 22(3), 119-125.
10. Chinowsky, Paul S., Brown, Hyman, Realph, Allison, and Szajanman, Alberto (2006). "Developing Knowledge Landscapes Through Project-Based Learning," *Journal of Professional Issues and Education*, American Society of Civil Engineers, 132(2), 118-124.

11. Carrillo, Patricia and Chinowsky, Paul (2006). "Exploiting Knowledge Management: The Construction and Engineering Perspective," *Journal of Management in Engineering*, ASCE, 22(1), 2-10.
12. Chinowsky, Paul S. and Diekmann, James E. (2004). "Construction Engineering Management Educators: Deteriorating Community," *Journal of Construction Engineering and Management*, ASCE, 130(5), 751-758.
13. Chinowsky, Paul S. and Rojas, Eddy (2003). "Virtual Teams: Guide to Successful Implementation", *Journal of Management in Engineering*, ASCE, 19(3), 98-106.
14. Chinowsky, Paul S. (2002). "Integrating Management Breadth in Civil Engineering Education," *Journal of Professional Issues and Education*, American Society of Civil Engineers, 128(3), 138-143.
15. Chinowsky, Paul S. (2001). "Strategic Management In Engineering Organizations," *Journal of Management in Engineering*, 17(2), 60-67, American Society of Civil Engineers.
16. Chinowsky, Paul S. and Byrd, Meghann (2001). "Strategic Management in Design Firms," *Journal of Professional Issues and Education*, 127(1), 30-37, American Society of Civil Engineers.
17. Kuprenas, John A., Chinowsky, Paul S., Harano, Winifred (2000). "Strategic Planning in Engineering Organizations: A Case Study," *Journal of Management in Engineering*, 16(5), 34-40, American Society of Civil Engineers.
18. Chinowsky, Paul S. and Meredith, James E. (2000). "Strategic Management in Construction," *Journal of Construction Engineering and Management*, 126(1), 1-9, American Society of Civil Engineers.
19. Goodman, Robin E. and Chinowsky, Paul S. (2000). "A Taxonomy of Knowledge Requirements for Construction Executives," *Journal of Management in Engineering*, 16(1), 80-89, American Society of Civil Engineers.
20. Chinowsky, Paul S. (1999). "Benchmarking The World Wide Web In Student Collaboration," *Journal of Computing in Civil Engineering*, 13(4), 254-260, American Society of Civil Engineers.
21. Chinowsky, Paul S. (1999). "Introducing Strategic Corporate Management in Engineering Education," *Journal of Construction Education*, 3(1), 3-12, Associated Schools of Construction.
22. Chinowsky, Paul S. (1998). "The Civil Engineering Resource Library," *Journal of Computing in Civil Engineering*, 12(4), 208-214, American Society of Civil Engineers.
23. Goodman, Robin E. and Chinowsky, Paul S. (1997). "Preparing Construction Executives for Executive Decision Making," *Journal of Management in Engineering*, 13(6), 55-61, American Society of Civil Engineers.
24. Chinowsky, Paul S. and Goodman, Robin E. (1997). "The World Wide Web in Engineering Team Projects," *International Journal of Educational Telecommunications* 3(2/3), 149-162, American Association for Computing in Education.

25. Chinowsky, Paul S. and Robinson, Jeffrey. (1997). "Enhancing Civil Engineering Education Through Living Laboratory Cases," *Journal of Engineering Education* 86(1), 45-50, American Society of Engineering Educators.
26. Chinowsky, Paul S. and Goodman, Robin E. (1996). "Managing Interdisciplinary Project Teams Through The Web," *Journal of Universal Computer Science*, 2(9), 597-609.
27. Chinowsky, P., and K. Reinschmidt. (1995). "A Qualitative Geometric Reasoner for Integrated Design," *Journal of Computing in Civil Engineering*, 9(4), 250-258, American Society of Civil Engineers.
28. Chinowsky, P., and P. Teicholz. (1993). "Design of Computer Interfaces for Intelligent Design Systems," *Design Studies*, 14(3), 247-260.

Peer-Reviewed Proceedings (full paper review)

1. Chinowsky, Paul S. and Carrillo, Patricia (2007). "The Knowledge Management - Learning Organization Connection," Proceedings of the 2007 ASCE-CIB Construction Research Congress, May 2007.
2. Chinowsky, Paul S., Songer, Tony, and Butler, Colleen (2006). "Leadership Attributes of Construction Executives," Proceedings of the 2nd Specialty Conference on Leadership and Management in Construction, CIB.
3. Chinowsky, Paul and Molenaar, Keith (2006). "LEONARDO: Evaluating Learning Organizations in Construction," Proceedings of the 2nd Specialty Conference on Leadership and management in Construction, CIB.
4. Bielefeldt, A.R., Amadei, B., Summers, R.S., Strzepek, K.M., Chinowsky, P.S., and Molenaar, K.R. (2006). An Educational Initiative to Address Earth Systems Engineering for Developing Communities, W107 Construction in Developing Economies International Symposium Construction in Developing Economies: New Issues and Challenges, Santiago, Chile, January 18-20, 2006.
5. Chinowsky, Paul S. and Brown, Hyman (2006). "Knowledge Landscapes in Construction Education," Proceedings of the 2006 ASEE Annual Conference, Chicago, IL, June 2006.
6. Chinowsky, Paul S. and Songer, Tony (2005). "The Construction Engineering Professional of 2020," Proceedings of the 2005 ASCE Construction Research Congress, San Diego, CA.
7. Chinowsky, Paul S. and Molenaar, Keith R. (2005). "Learning Organizations in Construction," Proceedings of the 2005 ASCE Construction Research Congress, San Diego, CA.
8. Chinowsky, Paul S. and Kraft, Elizabeth (2005). "Organization Influence in Procurement Evaluation," Proceedings of the 2004 CIB Conference on Procurement, Las Vegas, NV.
9. Kraft, Elizabeth and Chinowsky, Paul S. (2004). "Organization Impact on Project Success." Proceedings of the ASCE Specialty Conference on Leadership and management in Construction. Hilton Head, SC. PM Publishing.
10. Chinowsky, Paul S. and Brown, Hyman (2004). "The Development of Successful Intelligence in Construction Education," Proceedings of the 2004 ARCOM Conference, Edinburgh, Scotland.

11. Chinowsky, Paul S. (2003). "Construction Engineering Management Educators: Misplaced Community," Proceedings of the 2003 ASCE Construction Research Congress, Honolulu, HI.
12. Chinowsky, Paul S. and Kraft, Elizabeth (2003). "The Impact of Strategy on Project Success," Proceedings of the 2003 ASCE Construction Research Congress, Honolulu, HI.
13. Chinowsky, Paul S. and Rojas, Eddy R. (2002). "Virtual teams in Construction," Proceedings of the ASCE Workshop on IT in Civil Engineering.
14. Chinowsky, Paul S. and Abraham, Gena (2001). "Management in Engineering Education – A Five-Year Perspective." *Proceedings of the 2001 ASEE Southeastern Section Conference*, Charleston, SC (CD-ROM).
15. Chinowsky, Paul S. (2001). "Addressing the Management Crisis in Civil Engineering Education" *Proceedings of the 2001 ASEE Annual Conference*, Albuquerque, NM (CD-ROM).
16. Chinowsky, Paul S. and Vanegas, Jorge A. (2000). "A Technological Infrastructure for Enterprise Management." *Proceedings of the 2000 CIB W65 Conference*, Atlanta, GA.
17. Chinowsky, Paul S. (1999). "A Multimedia Resource Library for Civil Engineering Education." *Proceedings of the 1999 ASEE Southeastern Section Conference*, Clemson, SC (CD-ROM).
18. Chinowsky, Paul S. (1998). "A Benchmark Study of World Wide Web Communications." *Proceedings of the Fifth Congress on Computing in Civil Engineering*, ASCE, Boston, MA, 822-831.
19. Chinowsky, Paul S. (1998). "Introducing Strategic Management Into Construction Education." *Proceedings of the 1998 Associated Schools of Construction Annual Meeting*, Portland, ME.
20. Chinowsky, Paul S. (1998). "The Civil Engineering Resource Library - Developing A Multimedia Education Resource," *Proceedings of the 1998 ASEE Annual Conference*, Seattle, WA (CD-ROM).
21. Chinowsky, Paul and Guensler, Randall. (1998). "Multidisciplinary Civil Engineering Education through Environmental Impact Analysis." *Proceedings of the 1998 ASEE Southeastern Section Conference*, Orlando, FL, 79-84.
22. Guensler, Randall, Chinowsky, Paul, and Conklin, Chris. (1997). "Development of a Web-Based Environmental Impact, Monitoring, and Assessment Course," *Proceedings of the 1997 ASEE Annual Conference*, Milwaukee, WI (CD-ROM).
23. Goodman, Robin E. and Chinowsky, Paul S. (1997). "Construction Education: Are Construction Executives Being Served?" *Proceedings of the 1997 ASEE Southeast Conference*, Atlanta, GA, 86-90.
24. Goodman, Robin E. and Chinowsky, Paul S. (1996). "The Web in Interdisciplinary Design Education," *Proceedings of WebNet 96: World Conference of the Web Society*, San Francisco, CA, (CD-ROM). (Best Paper Award)

25. Chinowsky, Paul S. and Vanegas, Jorge A. (1996). "Combining Practice and Theory in Construction Education Curricula." *Proceedings of the 1996 ASEE Annual Conference*, Washington, DC, 1221:1-1221:6.
26. Chinowsky, Paul S. and Baker, Nelson C. (1996). "Technology in the Civil Engineering Classroom: Introduction and Assessment." *Proceedings of the 1996 ASEE Annual Conference*, Washington, DC, 3515:7-3515:12.
27. Chinowsky, Paul S. and Baker, Nelson C. (1996). "Cooperative Solutions to Lifelong Civil Engineering Education." *Proceedings of the 1996 ASEE Southeast Section Conference*, Pigeon Forge, TN, 1-6.
28. Chinowsky, Paul S. and Vanegas, Jorge A. (1995). "An Interactive Case-Based Environment to Integrate Design and Construction Education," *Proceedings of the 1995 ASEE Annual Convention*, Anaheim, CA, 2206-2210.
29. Chinowsky, Paul S. and Vanegas, Jorge A. (1995). "Facilitating Interdisciplinary Civil Engineering Education Through a Living Laboratory," *Proceedings of the 1995 ASEE Annual Convention*, Anaheim, CA, 596-600.

C. OTHER PUBLICATIONS

Feature Articles

1. Chinowsky, Paul S. (2004). "Strategic Improvement of Construction Organizations." *Construction Executive*, Associated Builders and Contractors Press.
2. Chinowsky, Paul S. (2000). "AEC Industry Benefits from Strategic Management," Cover Story *Commercial Buildings*, Nov-Dec 2000. Also published as reprint in (2001), *Leadership and Management in Engineering*, 1(2), American Society of Civil Engineers.
3. Chinowsky, Paul S. (2000). "Construction Firms Slowly Recognize Strategic Management," *Construction Business Report*, October 2000.

Non-Refereed Conference and Workshop Proceedings

1. Chinowsky, Paul S. and Kraft, Elizabeth (2004). "Organization Performance in Construction Procurement," Proceedings of the 2004 CMAA Conference, Boston, MA.
2. Chinowsky, Paul S. (2000). "Strategic Management in Construction," *Proceedings of Construction Congress VI*, ASCE, Orlando, FL, February 2000.
3. Birkes, Angela, Baker, Nelson C. and Chinowsky, Paul S. (2000). "Multimedia Database Functional Requirements for Construction Applications," *Proceedings of Construction Congress VI*, ASCE, Orlando, FL, February 2000.
4. Chinowsky, Paul S. (1999). "Strategic Management in Civil Engineering Organizations," *Proceedings of the 1999 ASEM Annual Conference*, ASEM, Virginia Beach, VA, October 1999.

5. Chinowsky, Paul S. (1997). "Introducing Multimedia Cases Into Construction Education," *Proceedings of the Fourth Congress on Computing in Civil Engineering*, ASCE, Philadelphia, PA, 122-128.
6. Chinowsky, Paul S. (1997). "Classroom Design Projects Through The Web," *Proceedings of the Fourth Congress on Computing in Civil Engineering*, ASCE, Philadelphia, PA, 411-417.
7. Chinowsky, Paul S. and Goodman, Robin E. (1996). "The World Wide Web as an Interdisciplinary Team Facilitator," *Proceedings of the 8th International Conference on Systems Research, Informatics and Cybernetics: Focus Symposium on Advances in Cooperative Environmental Design Systems*, Baden-Baden, Germany, 155-164.
8. Chinowsky, Paul S. (1996). "ICeD: An Interdisciplinary Conceptual Design Environment," *Proceedings of the Third Congress on Computing in Civil Engineering*, ASCE, Anaheim, CA, 133-139.
9. Chinowsky, Paul S. and Robinson, Jeffrey. (1995). "Facilitating Interdisciplinary Design Education Through Case Histories." *Proceedings of the 1995 Frontiers in Education Conference*, Atlanta, GA, 4a3.6-4a3.9.
10. Goodman, Robin E. and Chinowsky, Paul S. (1995). "Using the World Wide Web to Facilitate Interdisciplinary Project Teams". *Proceedings of the Third Congress on Computing in Civil Engineering*, ASCE, Anaheim, CA, 452-458.
11. Chinowsky, Paul S. and Reinschmidt, Ken R. (1995). "GRID: A Qualitative Geometric Reasoner for Integrated Design," *Proceedings of the Second Congress on Computing in Civil Engineering*, ASCE, Atlanta, GA, 1332-1339.
12. Chinowsky, Paul S., and Waid, M. Bill (1994). "Representing Contexts for Multi-Party Negotiations," *Proceedings of the International Workshop on the Future Directions of Computer-Aided Engineering*, Pittsburgh, PA, 51-56.
13. Chinowsky, Paul S. and Teicholz, Paul (1991). "Applying Artificial Intelligence Paradigms to Architectural Design," *Proceedings of Construction Congress II*, Boston, MA.
14. Chinowsky, Paul S. (1991). "The CAADIE Project: Applying Knowledge-Based Paradigms to Layout Generation," *Proceedings of Construction Congress II*, Boston, MA.
15. Chinowsky, Paul S. (1990). "A Model for the Representation of Design Knowledge," *Proceedings of the 2nd International Conference on Systems Research, Informatics and Cybernetics: Focus Symposium on Knowledge-Based Systems in Building Design*, Baden-Baden, Germany, 1-6.

Technical Reports

1. Chinowsky, Paul S. and Kingsley, Gordon (2007). "An Analysis of Current QBS Contracting Practices," Research Report, American Council of Engineering Companies.
2. Chinowsky, Paul S. (2007). "A Guide to Successful New Practice Implementation," Research Summary, Construction Industry Institute.

3. Chinowsky, Paul S. (2007). "A Guide to Successful New Practice Implementation," Implementation Resource Guide, Construction Industry Institute.
4. Larsen, Peter H., Goldsmith, Scott, Smith, Orson, Wilson, Meghan, Strzepek, Kenneth, Chinowsky, Paul, and Saylor, Ben (2007). "Estimating the Future Costs of Alaska Public Infrastructure at Risk From Climate Change," University of Alaska.
5. Chinowsky, Paul S. (2006). "A Guide to Successful New Practice Implementation," Research Report, Construction Industry Institute.
6. Chinowsky, Paul S. and Molenaar, Keith (2006). "Learning Organizations in Construction," Research Report, Construction Industry Institute.
7. Chinowsky, Paul S. and Molenaar, Keith (2005). "Learning Organizations in Construction," Research Summary, Construction Industry Institute.
8. Kingsley, Gordon and Chinowsky, Paul (2005). "Standardizing Consultant Management Practices," Georgia Department of Transportation.
9. Kingsley, Gordon and Chinowsky, Paul (2004). "Organization Impact on DOT Contracting Operations," Georgia Department of Transportation.
10. Chinowsky, Paul and Songer, Anthony (2004). "The Construction Engineering Professional of 2020" NSF.
11. Chinowsky, Paul S. and Rojas, Eddy (2003). Virtual Teams: A Guide To Successful Implementation" Construction Industry Institute, March 2003.
12. Chinowsky, Paul S. (2000). "Strategic Management Practices in the AEC Industry," AECStrategies,LLC Report.
13. Chinowsky, Paul S. and Molenaar Keith (2000). "Georgia Construction Economic Impact Study." Georgia Institute of Technology Report.
14. Chinowsky, P., Adame, R., Cavanaugh, K., Hunter, W., and Slemon, C. (1994). "Submarine Integrated Automated Damage Control System Baseline Functional Element Specification - Version 2," Stone & Webster Engineering Company Report 19445.04-M(C)-01.
15. Cavanaugh, K., Slemon, C., Adame, R., and Chinowsky, P. (1994). "Submarine Integrated Automated Damage Control System Phase 4 Program Summary Report," Stone & Webster Engineering Company Report 19445.04-M(C)-02.
16. Chinowsky, P., and Teicholz, P. (1991). "The Application of Knowledge-Based Paradigms to Architectural Layout Generation," CIFE Technical Report, Center for Integrated Facility Engineering, Stanford University.
17. Ichioka, Y., Teicholz, P., and Chinowsky, P. (1991). "An Approach to Automated Architectural Floor Layout Generation with Case-Based Reasoning," CIFE Technical Report #44A, Center for Integrated Facility Engineering, Stanford University.

18. Chinowsky, P., and Teicholz, P. (1990). "A Knowledge-Based Layout Generation System," CIFE Working Paper #7, Center for Integrated Facility Engineering, Stanford University.

Technical Manuals

1. Chinowsky, P., and Waid, M.W. (1994). *STONErule Training Reference Manual - Process Call Option*, Stone & Webster Advanced Systems Development Services, Inc.
2. Chinowsky, P. (1992). *STONErule/VGE Reference User Training Manual*, Stone & Webster Engineering Corporation.
3. Chinowsky, P. (1992). *STONErule User Training Manual*. Stone & Webster Engineering Corporation.

D. PRESENTATIONS

Keynote Presentations

1. Chinowsky, Paul S. Keynote Lecture, "A Social Network Model for Construction," Northwest Construction Council Annual Meeting, Seattle, WA, November 2007.
2. Chinowsky, Paul S., Keynote Lecture, "Strategic Directions for Transportation Companies," H.W.Lochner Annual Meeting, October, 2006.
3. Chinowsky, Paul S., Keynote Lecture, "Breaking Barriers to New Practice Implementation," CII Product Implementation Workshop, Tampa, FL, April 2006.

Plenary Presentations

1. Chinowsky, Paul S. (2007). "Implementing New Practices," CII Annual Conference, Orlando, FL.
2. Chinowsky, Paul S., Invited Lecture, Knowledge Management in Construction and Engineering, Loughborough University, Loughborough, UK, May 2006.
3. Chinowsky, Paul S. (2005). "Current Trends in Leadership," CII Annual Conference, Dallas, TX.
4. Chinowsky, Paul S. (2005). "Current Trends in Leadership," CII Construction Productivity Conference, Austin, TX.
5. Chinowsky, Paul S. (2004). "Integrating Breadth in the Construction Curriculum," 2004 ASCE Specialty Conference on Leadership and Management in Construction, Hilton Head, SC.
6. Chinowsky, Paul S. (1998). "Delivering Design-Build Projects through the Web", DBIA Annual Conference, Chicago, IL.

Other Presentations

- Chinowsky, Paul S., "A New Model for Best Practice Implementation," CII Product Implementation Workshop, Dallas, TX, April 2007.

Chinowsky, Paul S., "A New Model for Best Practice Implementation," CII Product Implementation Workshop, Atlanta, GA, October 2007.

Chinowsky, Paul S. (2006). "A Quantitative Study of QBS Procurement," 2006 Annual Conference of the ACEC State Chapters, Dec. 2006.

Chinowsky, Paul S., Invited Lecture, "A Stairstep Model For Implementation Success," CII Product Implementation Workshop, Chicago, IL, September, 2006.

Chinowsky, Paul S., Panelist, Making Virtual Teams Work in Construction, CII Product Implementation Workshop, Tampa, FL, April 2006.

Chinowsky, Paul S., "A New Model for Best Practice Implementation," CII Product Implementation Workshop, Tampa, FL, April 2006.

Chinowsky, Paul S. (2005). Strategic Directions for Engineering and Construction, Presented at the 2005 AIA/ACEC Leadership Summit, San Diego, December 2005.

Chinowsky, Paul S. (2005). "Ethics in Construction," Colorado Society of Professional Estimators, Denver, May 2005.

Chinowsky, Paul S. (2004). "Electronic Solutions for Contractor Selection." Presented at the National Association for State Facility Administrators Western Conference, Tuscon, AZ, Oct. 2004.

Chinowsky, Paul S. (2004). "Comprehensive Contractor Evaluation and Selection" Presented at the 2004 Georgia Association of State Facility Administrators, Atlanta, GA.

V.SERVICE

A. PROFESSIONAL CONTRIBUTIONS

Organization and Chairmanship of Conferences

- 1.Conference Chair, ASCE-CIB Construction Research Congress 2007, ASCE-CIB, Grand Bahama Island, May 2007.
- 2.Conference Chair, ASCE Specialty Conference on Leadership and Management 2006, ASCE, Grand Bahama Island, May 2006.
- 3.Conference Chair, ASCE Specialty Conference on Leadership and Management 2004, ASCE, Hilton Head, SC, March 2004.
- 4.Conference Chair, ASCE Construction Congress 2003, ASCE, Honolulu, HI, March 2003.
- 5.Technical Committee, ASCE Specialty Conference on Computing in Civil Engineering, ASCE, Washington, DC, November 2002.
- 6.Track Coordinator, Civil Engineering, ASEE 2001 Southeast Regional Conference, ASEE, Charleston, SC, April 2001.
- 7.Technical Committee, Workshop on Fully Integrated and Automated Project Processes, ASCE, Blacksburg, VA, September, 2000.

8. Technical Committee, Sixth Congress on Computing in Civil Engineering, ASCE, Stanford, CA, August, 2000.

9. Technical Co-Chair, Third Congress on Computing in Civil Engineering, ASCE, Anaheim, CA, June, 1996.

Technical Committee Service

CIB (International Construction Research Organization)

Co-Chair of Task Group on Leadership in Construction

Construction Industry Institute

Academic Representative, Implementation Strategy Committee

Member, Research Committee

American Society of Civil Engineers

Member, Executive Committee, Education Division, Construction Institute, ASCE, 2003-Current.

Chair, ASCE Construction Research Council, 2001-2002

Chair, TCCIT Committee On the Coordination of Computing Activities (COCOA), 2000-2002

Secretary, ASCE TCCIT Committee on Education, 1999-2000

Council on Professional Practice, Committee on Engineering Management and Business Practices,

Corresponding Member 1998-Present

American Society of Engineering Educators

Chairman, Southeast Region, Civil Engineering Section, 1998-2000, Member, 1995-Present

Technical Journal Editor or Editorial Board

Specialty Editor, ASCE Journal of Construction Engineering and Management

Member, Editorial Board, Journal of Engineering, Construction, and Architectural Management

Member, Editorial Board, ASCE Journal of Leadership and Management

Member, Editorial Board, ASCE Journal of Management in Engineering

Technical Journal Referee

Computing in Civil Engineering, ASCE

Construction Engineering and Management, ASCE

Engineering Management, ASCE

Automation in Construction

Journal of Construction Education, Associated Schools of Construction

Journal of Engineering Education, ASEE

Journal of Engineering, Construction and Architectural Management

Construction Economics and Management

Canadian Journal of Civil Engineering

B. UNIVERSITY SERVICE

University of Colorado

Member, Strategic Planning Committee, College of Engineering and Applied Science

Member, Department Search Committee, Department of Civil, Env. And Arch. Engineering

Member, Executive Committee, Department of Civil, Env. And Arch. Engineering

Member, Curriculum Committee, Department of Civil, Env. And Arch. Engineering

External Academic Organizations

Member, International Advisory Panel, Innovative Manufacturing and Construction Research Centre, Loughborough University

Member, Advisory Panel, PRE-EMPT: Proactive Resilient Engineering & Emergency Mitigation Protocol Toolkit Research, Loughborough University

Member, Advisory Panel, FIPSE Grant on Situation Simulation in Construction Education, University of Washington

Panelist, National Science Foundation, CAREER Award Selection

Tenure Reviewer, Oregon State University

Tenure Reviewer, University of Florida

Tenure Reviewer, American University of Beirut

VI. GRANTS AND CONTRACTS

1. Innovation in the EPC Industry

Construction Industry Institute

Amount: \$135,000 (\$75,000 to CU) (11/06 – 10/08)

Role: Co-PI with Profs. Ken Strzepek and Mike Toole (Bucknell University)

2. A Quantitative Study of QBS Procurement

American Council of Engineering Companies

Amount: \$76,000 (11/06-10/07)

Role: Principal Investigator

3. Barriers to New Practice Implementation

Construction Industry Institute

Amount: \$13,500 (11/05 – 9/07)

Role: Principal Investigator

4. Travel Grant for Visiting Professorship

Loughborough University

Amount: \$7,500 (5/06)

5. Development of New Climate Change Entrepreneurship Course

Kettering Family Foundation

Amount: \$25,000 (8/06-12/06)

Role: Investigator and Co-Instructor

6. Development of Utility Policy Course

Internal Grant from Electrical Engineering

Amount: \$10,000 (7/05)

Role: Principal Investigator

7. Learning Organizations in Construction

Construction Industry Institute

Amount: \$149,360 (6/03 – 6/06)

Role: Co-PI with Prof. Keith Molenaar

8. Strategies to Strengthen Consultant Management in the Georgia Department of Transportation (Part 2)
Georgia DOT
Amount: \$52,530 (8/04 – 3/05)
Role: Co-PI with Prof. Gordon Kingsley (Georgia Tech)
9. Strategies to Strengthen Consultant Management in the Georgia Department of Transportation (Part 1)
Georgia DOT
Amount: \$250,000 (8/01 – 3/03) (\$56,000 to CU)
Role: Investigator with Prof. Gordon Kingsley (Georgia Tech)
10. Workshop on the Construction Engineering Professional in 2020
National Science Foundation
Amount: \$35,000 (5/02)
Co-PI With Prof. Tony Songer, (Virginia Tech)
11. Making Virtual Teams Work
Construction Industry Institute
Amount: \$150,000 (4/00 – 10/01)
Role: Principal Investigator
12. Georgia Construction Economic Impact Study
Georgia Construction Industry Alliance
Amount: \$35,000 (1/99-9/99)
Role: Co-principal Investigator with Prof. Keith Molenaar
13. AEC Technology Collaboration Benchmarking
Japanese Ministry of Industry and Technology
Amount: \$200,000 (\$25,000 to Georgia Tech) (1/99-6/00)
Role: Co-principal Investigator with Dr. Renate Fruchter (Stanford) and Prof. Mike Martin (UC Berkeley)
14. A Strategic Study of Construction Reclamation
Metric Construction
Amount: \$35,000 (6/98-9/99)
Role: Principal Investigator
15. Construction Operations Analysis
Georgia State Finance and Investment Corporation
Amount: \$7,500 (10/98-1/99)
Role: Principal Investigator
16. Advanced Construction Technologies
M.W. Kellogg Construction
Amount: \$15,000 (12/97 – 5/98)
Role: Principal Investigator

17. Design for Disassembly, Environmentally Conscious Construction

Center for Sustainable Technology
Amount: \$21,000 (9/1/96 - 6/30/96)
Role: Principal Investigator

18. An Integrated, Case-Based Environment for Design

EduTech
Amount: \$23,165 (4/1/95 - 4/1/96)
Role: Co-principal Investigator with Prof. Bruce Lonnan (College of Architecture)

19. Microsoft Infrastructure Instructional Lab Grant

Microsoft Corporation
Amount: \$63,000 (Software) (2/97-6/98).
Role: Principal Investigator

20. Fully Integrated and Automated Project Processes

Construction Industry Institute
Amount: \$50,000, (\$5,000 to Georgia Tech) (2/1/98 – 1/1/99)
Role: Investigator (Prof. Tony Songer, PI, University of Colorado)

21. Collaborative Learning Based on Real-World, Engineering Related Tasks

ARPA
Amount: \$500,000 (\$10,000 to CEE) (9/1/95 - 6/30/97)
Role: Investigator (Prof. Janet Kolodner, PI, GT College of Computing)

Pending Grants

Co-PI With Prof. John Taylor (University of Texas), (PENDING) Effects of Learning on Construction Networks, National Science Foundation, \$207,000, 2007-2008.

PI, A Communications-Based Approach to Infrastructure Recovery, (PENDING), SGER, National Science Foundation, \$75,000

VII. HONORS AND AWARDS

Professional

Metro-Atlanta Engineers Council, Georgia Engineering Educator of the Year, 2001
Best Paper Award, WebNet 96.

Institute

School of Civil and Environmental Engineering Nominee, Georgia Tech Outstanding Young Faculty Award, 2000
CETL Class of 69 Teaching Fellowship, 1996