

September 1, 2011

Vita

CAROL MIEHE WERNER

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Education:

| <u>Degree</u> | <u>Date</u> | <u>Institution</u> |
|---------------|-------------|--|
| BA | 1967 | Raymond College, University of the Pacific |
| MA | 1970 | Ohio State University |
| Ph.D. | 1973 | Ohio State University |
| Postdoctoral | 1974 | Carolina Population Center, University of North Carolina at Chapel Hill |

Employment History:

| <u>Institution</u> | <u>Date</u> | <u>Title</u> |
|--|--------------|-----------------------------------|
| California State, Dept. of Rehabilitation | 1972 | Placement Representative |
| University of Utah | 1973-1978 | Assistant Professor |
| | 1979-1986 | Associate Professor |
| | 1987- | Professor |
| | 1996-2003 | Director of Environmental Studies |
| University of Paris X | Spring, 2008 | Visiting Professor |

Adjunct Appointments

Adjunct Professor of Architecture, 1988-2000
 Adjunct Professor of Family & Consumer Studies, 1988-

Honors:

Dean's Research and Development Award, Autumn, 1986
 University Teaching Committee Award, 1988-1989
 Bennion Professor, University of Utah, 1989-1990
 University of Utah Distinguished Faculty Service Award 2003-2004

Offices Held:Professional OrganizationsDivision 8

Executive Committee, APA, Division 8, 1987-1989

Co-Chair, APA, Division 8 Graduate Directors= Committee, 1980-1981

Chair, APA, Division 8 Graduate Directors= Committee, 1981-1983

Division 34

Executive Committee, APA, Division 34, 1984-1987

Program Co-Chair, APA Convention for Division 34, 1987

Secretary, APA, Division 34, 1987-1989

President, APA, Division 34, 1989-1990

Chair, Fellows Committee, APA, Division 34, 1991-1994

EDRA

Board of Directors, Environmental Design Research Association, 1992-1995

Vice Chair, Environmental Design Research Association, 1992-1993

Treasurer, Environmental Design Research Association, 1993-1994

Chair, Environmental Design Research Association, 1994-1995

North American Hazardous Materials Management Conference

Program Committee, 20th Annual Hazardous Materials Management Conference (NAHMMA),
April – September 2005

Editorial Duties

Editorial Board of Social Psychology Quarterly, 1975-1978

Editorial Board of Population and Environment, 1981-1990

Editorial Board of Applied Social Psychology Annual, 1986-1991

Associate co-editor, American Journal of Community Psychology, 1988-1993

Editorial Board, American Journal of Community Psychology, 1993-1998

Editor, *Class Notes*, regular column in edra's Newsletter, Design
Research News, 1990-1993

Editorial Board, Journal of Environmental Psychology, 1998-present

Reviewer for:

Journals: Journal of Personality and Social Psychology;
Personality and Social Psychology Bulletin;
Sociometry;
Population and Environment;
Science;
Environment and Behavior;
Journal of Environmental Psychology;
Journal of Applied Social Psychology;
Basic and Applied Social Psychology;
Landscape Journal

Reviewer for:

Conventions:

Divisions 8 and 34 of the American Psychological Association;
 Rocky Mountain Psychological Association;
 Environmental Design Research Association
 International Symposium on Society and Resource Management

Funding Agencies: National Science Foundation
 US EPA

Professional Organizations:

American Psychological Association, Fellow of Divisions 8, 9, 27, 34
 (Resigned 1991) Maintaining Divisional Memberships
 Western Psychological Association
 Society of Experimental Social Psychology
 American Psychology Law Society (Resigned 1984)
 Environmental Design Research Association (1983 - 1997, 2003-2005)
 American Psychological Society (Fellow)

Professional Journal Publications and Book Chapters:

- Latane, B., & Werner, C. (1971). Social and nonsocial sources of attraction in rats. *Psychonomic Science*, 24, 147-148.
- Werner, C., & Latane, B. (1974). Interaction motivates social attraction: Rats are fond of fondling. *Journal of Personality and Social Psychology*, 29, 328-334.
- Saks, M., Werner, C., & Ostrom, T. (1976, February). Presumption of innocence and the American juror. *Journal of Contemporary Law*, 2(1), 46-54.
- Werner, C., & Anderson, D. F. (1976). Opportunity for interaction as reinforcement in a T-maze. *Personality and Social Psychology Bulletin*, 2, 166-169.
- Werner, C., & Latane, B. (1976). Responsiveness and communication medium in dyadic interactions. *Bulletin of Psychonomic Society*, 8, 569-571.
- Truscott, J., Parmelee, P., & Werner, C. M. (1977). Plate-touching in restaurants: Preliminary observations of a food-related marking behavior in humans. *Personality and Social Psychology Bulletin*, 3, 425-448.
- Werner, C. (1978). Intrusiveness and persuasive impact of three communication media. *Journal of Applied Social Psychology*, 8(2), 145-162.

- Chemers, M. M., Ayman, R., & Werner, C. M. (1978). Expectancy theory analysis of migration. *Population, 1*, 42-56.
- Ostrom, T. M., Werner, C. M., & Saks, M. J. (1978). An integration theory analysis of jurors= presumptions of guilt or innocence. *Journal of Personality and Social Psychology, 36*, 436-450.
- Parmelee, P., & Werner, C. M. (1978). Lonely losers: Stereotypes of single dwellers. *Personality and Social Psychology Bulletin, 4*, 292-295.
- Latane, B., & Werner, C. M. (1978). Regulation of social contact in laboratory rats: Time, not distance. *Journal of Personality and Social Psychology, 36*, 1128-1137.
- Parmelee, P., & Werner, C. M. (1978). Attributions to single and shared dwellers as a function of living status and preference. *Population, 1(4)*, 298-312.
- Werner, C., & Parmelee, P. (1979). Similarity of activity preferences among friends: Those who play together stay together. *Social Psychology Quarterly, 42*, 62-66.
- Werner, C. M., Brown, B. B., & Damron, G. (1981). Territorial marking in a game arcade. *Journal of Personality and Social Psychology, 41*, 1094-1104.
- Kagehiro, D. K., & Werner, C. M. (1981). Divergent perceptions of jail inmates and correctional officers: The Ablame the other-expect to be blamed@ effect. *Journal of Applied Social Psychology, 11*, 507-528.
- Carroll, J. S., Werner, C. M., & Ashmore, R. D. (1982). Internships and practica in social psychology graduate training programs. *Personality and Social Psychology Bulletin, 8*, 348-356.
- Strube, M. J., & Werner, C. M. (1982). Interpersonal distance and personal space: A conceptual and methodological note. *Journal of Nonverbal Behavior, 6(3)*, 163-170.
- Werner, C. M., Kagehiro, D. K., & Strube, M. J. (1982). Conviction proneness and the authoritarian juror: Inability to disregard information or attitudinal bias? *Journal of Applied Psychology, 67*, 629-636.
- Johnson, M. A., & Werner, C. (1982, November). Perceptions of responsibility and guilt after nursing home transfer. *Journal of Gerontological Nursing, 8(11)*, 641-654.
- Werner, C. M. (1983, March). Value differences between psychology and law: Juror bias research as an example. In S. Deitz (Ed.) *Proceedings of Forensic Psychology Conference, Fitzsimmons Army Medical Center*. Aurora, CO: United States Army.
- Werner, C. M. (1983, October). Internships as alternative research experiences. *Society for the Advancement of Social Psychology (SASP) Newsletter, 9(5)*, 13-16.

- Strube, M. J., & Werner, C. M. (1984). Personal space claims as a function of interpersonal threat: The mediating role of need for control. *Journal of Nonverbal Behavior*, *9*(1), 163-170.
- Strube, M. J., & Werner, C. M. (1984). Psychological reactance and the relinquishment of control. *Personality and Social Psychology Bulletin*, *10*, 225-234.
- Brown, B. B., & Werner, C. M. (1985). Social cohesiveness, territoriality and holiday decorations: The influence of cul-de-sacs. *Environment and Behavior*, *17*, 539-565.
- Strube, M. J., & Werner, C. M. (1985). Relinquishment of control and the Type A behavior pattern. *Journal of Personality and Social Psychology*, *48*, 688-701.
- Werner, C. M. (1985). There is hope for graduate education. *American Psychologist*, *40*, 855-857.
- Werner, C. M., Altman, I., & Oxley, D. (1985). Temporal aspects of homes: A transactional perspective. In I. Altman & C. M. Werner (Eds.), *Home environments: Human behavior and the environment* (Vol. 8, pp. 1-32). New York: Plenum.
- Werner, C. M., & Haggard, L. (1985). Temporal qualities of interpersonal relationships. In G. R. Miller & M. L. Knapp (Eds.), *Handbook of interpersonal communication* (pp. 59-99). Beverly Hills: Sage.
- Werner, C. M., Strube, M. J., Cole, A. M., & Kagehiro, D. K. (1985). The impact of case characteristics and prior jury experience on jury verdicts. *Journal of Applied Social Psychology*, *15*, 409-427.
- Oxley, D., Haggard, L. M., Werner, C. M., & Altman, I. (1986). Transactional qualities of neighborhood social networks: A case study of AChristmas Street@. *Environment and Behavior*, *18*, 640-677.
- Altman, I., Werner, C. M., Oxley, D., & Haggard, L. M. (1987). AChristmas Street@ as an example of transactionally oriented research. *Environment and Behavior*, *19*, 501-524.
- Werner, C. M. (1987). Home interiors: A time and place for interpersonal relationships. *Environment and Behavior*, *19*, 169-179.
- Werner, C. M. (1987). Transactional approach to neighborhood social relations. In S. Oskamp & S. Spacapan (Eds.), *Interpersonal processes* (pp. 25-57). Newbury Park, CA: Sage.
- Werner, C. M., Altman, I., Oxley, D., & Haggard, L. (1987). People, place, and time: A transactional analysis of neighborhoods. In W. H. Jones & D. Perlman (Eds.), *Advances in personal relationships* (pp. 243-275). Greenwich, CT: JAI Press.
- Werner, C. M. (1988). Action and agency: Differing perspectives on environment/behavior

- relationships. In D. Canter, Jorge Correia Jesuino, Luis Soczka, & G. M. Stephenson (Eds.), *Environmental social psychology* (pp. 19-27). The Netherlands: Kluwer Academic Publishers.
- Werner, C. M., Haggard, L. M., Altman, I., & Oxley, D. (1988). Temporal qualities of rituals and celebrations: A comparison of Christmas Street and Zuni Shalako. In J. E. McGrath (Ed.), *The social psychology of time: New perspectives* (pp. 203-232). Beverly Hills: Sage.
- Werner, C. M., Peterson-Lewis, S., & Brown, B. B. (1989). Inferences about homeowners= sociability: Impact of Christmas decorations and other cues. *Journal of Environmental Psychology, 9*, 279-296.
- Haggard, L. M., & Werner, C. M. (1990). Situational support, privacy regulation and stress. *Basic and Applied Social Psychology, 11*, 313-337.
- Marsh, P. (1990). *Lifestyle: Your surroundings and how they affect you*. London: Andromeda Oxford. Authored the following sections:
- Harris, P. B., Brown, B. B., Werner, C. M., & Altman, I.
Home as transactional unity.
- Brown, B. B., Harris, P. B., Werner, C. M., & Altman, I.
Privacy and territorial regulation in the home.
- Brown, B. B., Harris, P. B., Werner, C. M., & Altman, I.
The past, present, and future of homes: Challenges and opportunities.
- Werner, C. M., Brown, B. B., Harris, P. B., & Altman, I.
Homes as expressions of identity.
- Werner, C. M., Harris, P. B., Brown, B. B., & Altman, I.
Disruption in homes.
- Altman, I., Brown, B. B., Staples, B., & Werner, C. M. (1992). A transactional approach to close relationships: Courtship, weddings, and placemaking. In B. Walsh, K. Craik, & R. Price (Eds.), *Person-environment psychology: Contemporary models and perspectives* (pp. 193-241). Hillsdale, NJ: Erlbaum.
- Brown, B. B., Altman, I., & Werner, C. M. (1992). Close relationships in the physical and social world: Dialectic and transactional analyses. Invited commentary for S. Deetz (Ed.), *Communication yearbook 15* (pp. 508-521). Newbury Park, CA: Sage.
- Gibson, B., & Werner, C. M. (1992). The decision to attempt interpersonal control: The case of nonsmoker-smoker interactions. *Basic and Applied Social Psychology, 13*, 269-284.
- Werner, C. M., Altman, I., & Brown, B. B. (1992). A transactional approach to interpersonal relations: Physical environment, social context, and temporal qualities. *Journal of Social*

- and Personal Relations*, 9, 297-323.
- Werner, C. M., Brown, B. B., Altman, I., & Staples, B. (1992). Close relationships in their physical and social contexts: A transactional perspective. *Journal of Social and Personal Relations*, 9, 411-431.
- Werner, C. M., & Haggard, L. M. (1992). Avoiding intrusions at the office: Privacy regulation on typical and high solitude days. *Basic and Applied Social Psychology*, 13, 181-193.
- Gibson, B., Harris, P., & Werner, C. M. (1993). Intimacy and personal space: A classroom demonstration. *Teaching of Psychology*, 20, 180-181.
- Werner, C. M., Altman, I., Brown, B. B., & Ginat, J. (1993). Celebrations in personal relationships: A transactional/dialectical perspective. In S. Duck (Ed.), *Social context and relationships. Understanding relationship processes series* (Vol. 3, pp. 109-138). Newbury Park, CA: Sage.
- Brown, B. B., Werner, C. M., & Altman, I. (1994). Close relationships in environmental contexts. In A. Weber & J. Harvey (Eds.), *Perspectives on close relationships* (pp. 340-358). Needham Heights, MA: Allyn and Bacon.
- Gibson, B., & Werner, C. M. (1994). Airport waiting areas as behavior settings: The role of legibility cues in communicating the setting program. *Journal of Personality and Social Psychology*, 66, 1049-1060.
- Werner, C. M., & Baxter, L. A. (1994). Temporal qualities of relationships: Organismic, transactional and dialectical views. In G. R. Miller & M. L. Knapp (Eds.), *Handbook of interpersonal communication* (2nd ed., pp. 323-379). Thousand Oaks, CA: Sage.
- Werner, C. M., & Altman, I. (1995). In A. S. R. Manstead & M. Hewstone (Eds.), *Blackwell encyclopedia of social psychology*. Oxford, UK: Blackwell.
 Entries: ACrowding@, AEnvironmental Psychology@; APersonal Space@; ATerritoriality@.
- Gillilan, S., Werner, C. M., Olson, L., & Adams, D. (1996). Teaching the concept of PREcycling: A campaign and evaluation. *Journal of Environmental Education*, 28, 11-18.
- Harris, P. B., Brown, B. B., & Werner, C. M. (1996, December). Privacy regulation and place attachment: Predicting attachments to a student family housing facility. *Journal of Environmental Psychology*, 16, 287-301.
- Harris, P. B., Werner, C. M., Brown, B. B., & Ingebritsen, D. (1996). Relocation and privacy regulation: A cross-cultural analysis. *Journal of Environmental Psychology*, 15, 311-320.
- Werner, C. M., Turner, J., Shipman, K., Twitchell, S. F., Dickson, B. R., Brusckhe, G. V., & von Bismarck, W. B. (1996). Commitment, behavior, and attitude change: An analysis of voluntary recycling. *Journal of Environmental Psychology*, 15, 197-208.

- Werner, C. M., Brown, B. B., & Altman, I. (1997). Environmental psychology. In J. W. Berry, M. H. Segall, & C. Kagitcibasi (Eds.), *Handbook of cross-cultural psychology: Volume 3. Social behavior and applications*, (2nd ed., pp. 255-290). Needham Heights, MA: Allyn and Bacon.
- Brown, B., Werner, C. M., & Altman, I. (1998). Choicepoints for dialecticians: A Dialectical/transactional perspective on close relationships. In B. Montgomery & L. Baxter (Eds.), *Dialectical approaches to studying personal relationships* (pp. 137-154). Mahwah, NJ: Lawrence Erlbaum Associates, Inc.
- Werner, C. M. (1998). Strategies for service learning: Internalization and empowerment. In R. G. Bringle & D. K. Duffy (Eds.), *With service in mind: Concepts and models for service-learning in Psychology* (pp. 119-127). Washington, DC: American Association for Higher Education.
- Werner, C. M., & Altman, I. (1998). A dialectic/transactional approach to neighborhoods: Children in secondary territories. In D. Grolitz, H. J. Harloff, G. Mey, & J. Valsiner (Eds.), *Children, cities and psychological theories* (pp. 123-154). Berlin: Walter de Gruyter & Co.
- Werner, C. M., & Altman, I. (1998). Translating a world view. In D. Grolitz, H. J. Harloff, G. Mey, & J. Valsiner (Eds.), *Children, cities and psychological theories* (pp. 162-163). Berlin: Walter de Gruyter & Co.
- Werner, C. M., & Makela, E. (1998). Motivations and behaviors that support recycling. *Journal of Environmental Psychology*, 18, 373-386.
- Werner, C. M., Rhodes, M. U., & Partain, K. K. (1998). Designing effective instructional signs with schema theory: Case studies of polystyrene recycling. *Environment and Behavior*, 30, 709-735.
- Werner, C. M. (1999). Psychological perspectives on sustainability. In E. Becker & T. Jahn (Eds.) *Sustainability and the social sciences: A cross-disciplinary approach to integrating environmental considerations into theoretical reorientation* (pp. 223-242). London, England: ZED books.
- Werner, C. M. (1999). Changing environmental behaviors. In W. Hacker & M. Rinck (Eds.), *Proceedings of the 41st Congress of the German Psychological Association* (pp. 144-153). Lengerich, Berlin: Pabst Science Publishers.
- Brown, B. B., Werner, C. M., & Altman, I. (2000). Territoriality. In E. Kazdin et al. (Eds.), *Encyclopedia of Psychology*. Washington, DC: American Psychological Association and New York: Oxford University Press.

- Werner, C. M., Brown, B. B., & Altman, I. (2000). Privacy. In E. Kazdin et al. (Eds.), *Encyclopedia of Psychology*. Washington, DC: American Psychological Association and New York: Oxford University Press.
- Werner, C. M., & Adams, D. (2000, November). Strategies for Behavior Change: The “No More Chemically Dependent Homes” Program. *Proceedings of the SWANA/NAHMMA Conference*, Boston, MA, 73-78.
- Werner, C. M., & Altman, I. (2000). Humans and nature: Insights from a transactional view. In S. Wapner, J. Demick, T. Yamamoto, & H. Minami (Eds.) *Theoretical perspectives in environment-behavior research: Underlying assumptions, research problems, and methodologies* (pp. 21-37). New York: Plenum Press.
- Werner, C. M., & McVaugh, N. (2000). Service-learning Arules@ that encourage or discourage long-term service: Implications for practice and research. *Michigan Journal of Community Service-Learning*, 7, 117-125.
- Werner, C. M., & Adams, D. (2001). Changing homeowners’ behaviors involving toxic household chemicals: A psychological, multilevel approach. *Analyses of Social Issues and Public Policy*, 1, 1-31. [Also available at www.spssi.org].
- Werner, C. M., Voce, R., Openshaw, K., & Simons, M. (2002). Designing service-learning to empower students and community: Jackson Elementary builds a nature study center. *Journal of Social Issues*, 58, 557-579.
- Werner, C. M., Brown, B. B., & Altman, I. (2002). Transactionally-oriented research: Examples and strategies. In R. B. Bechtel & A. Churchman (Eds.) *Handbook of Environmental Psychology* (2nd ed., pp. 203-221). New York: John Wiley & Sons, Inc.
- Werner, C. M., Stoll, R., Birch, P., & White, P. H. (2002). Clinical validation and cognitive elaboration: Signs that encourage sustained recycling. *Basic and Applied Social Psychology*, 24, 185-203.
- Werner, C. M. (2003). Changing homeowners’ use of toxic household products: A transactional approach. *Journal of Environmental Psychology*, 23, 33-45.
- Brown, B. B., Werner, C. M. & Kim, N. (2003, August). Personal and contextual factors supporting the switch to transit use: Evaluating a natural transit intervention. *Analyses of Social Issues and Public Policy*, 3(1), 139-160.
- Werner, C. M., Brown, B. B., & Altman, I. (2004). Privacy. In C. Spielberger (Ed.), *Encyclopedia of Applied Psychology*, (Vol. 3, pp. 109-119).
- Werner, C. M., Byerly, S., White, P. H., & Kieffer, M. (2004). Validation, persuasion and recycling: Capitalizing on the social ecology of newspaper use. *Basic and Applied Social Psychology*, 26, 183-198.
- Werner, C. M., Byerly, S., & Sansone, C. (2004). Changing intentions to use toxic household

- products through guided group discussion. In B. Martens & A. Keul (Eds.), *Special Issue 18th IAPS Conference. Evaluating for Innovation: Social Design of Sustainable Places* [Special Issue]. *Revista psihologie aplicata*, 6(3-4), (Journal of Applied Psychology), 147-156. Editura Universitatii de Vest: Vienne.
- Brown, B.B., Werner, C.M., & Altman, I. (2006). Relationships in home and community environments: A transactional and dialectic analysis. In A. L. Vangelisti & D. Perlman (Eds.), *The Cambridge handbook of personal relationships* (673-693). New York: Cambridge University Press.
- Brown, B. B., & Werner, C. M. (2007). A new rail stop: Tracking moderate physical activity bouts and ridership. *American Journal of Preventive Medicine*, 33(4), 306-309.
- Brown, B. B., Werner, C. M., Amburgey, J. W., & Szalay, C. (2007). Walkable route perceptions and physical features: Converging evidence for en route walking experiences. *Environment and Behavior*, 39(1), 34-61.
- Brown, B.B., & Werner, C.M. (2008). Using accelerometer feedback to identify walking destinations, activity overestimates, and stealth exercise in obese and nonobese individuals. *Journal of Physical Activity and Health*, 5, 882-893.
- Werner, C. M., Sansone, C., & Brown, B. B. (2008). Guided group discussion and attitude change: the roles of normative and informational influence. *Journal of Environmental Psychology*, 28, 27-41.
- Braden, J. B., Brown, D. G., Dozier, J., Gober, P., Hughes, S. M., Maidment, D. R., Schneider, S. L., Schultz, P. W., Shortle, J. S., Swallow, S. K., & Werner, C. M. (2009). Social Science in a water observing system. *Water Resources Research*, 45, W11301, doi: 10.1029/2009WR008216.
- Brown, B.B. & Werner, C.M. (2009). Before and after a new light rail stop: Resident attitudes, travel behavior, and obesity. *Journal of the American Planning Association*, 75:1,5-12.
- Werner, C. M., Brown, B. B., & Altman, I. (2009). Physical environment and relationships. In H. T. Reis and S. K. Sprecher (Eds.), *Encyclopedia of Human Relationships*. Thousand Oaks, CA: Sage. Available online at http://www.sage-reference.com/humanrelationships/Article_n403.html
- Werner, C. M., White, P. H., Byerly, S., & Stoll, R. (2009). Signs that encourage internalized recycling: Clinical validation, weak messages and “creative elaboration”. *Journal of Environmental Psychology*, 29, 193-202.
- Thompson, J.L., Forster, C.B., Werner, C.M., & Peterson, T.R. (2010). Mediated modeling: Using collaborative processes to integrate scientist and stakeholder knowledge about greenhouse gas emissions in an urban ecosystem. *Society & Natural Resources*, 23, 742-757.
- Werner, C. M., Brown, B. B., & Gallimore, J.M. (2010). Light rail use is more likely on

- "walkable" blocks: Further support for using micro level environmental audit measures. *Journal of Environmental Psychology*, 30, 206-214.
- Napier, M.A., Brown, B.B., Werner, C.M., & Gallimore, J. (2011). Walking to school: Community design and child and parent barriers. *Journal of Environmental Psychology*, 31, 45-51.
- Rioux, L. & Werner, C. M. (2011). Residential satisfaction among aging people living in place. (French colleague). *Journal of Environmental Psychology*, 31, 158-169.
- Gallimore, J.M., Brown, B.B., & Werner, C.M. (2011). Walking routes to school in new urban and suburban neighborhoods: An environmental walkability analysis of blocks and routes. *Journal of Environmental Psychology*, 31, 184-191. DOI: 10.1016/j.jenvp.2011.01.001
- Brown, B.B. & Werner, C. M. (in press). The residents' benefits and concerns before and after a new rail stop: Do residents get what they expect? *Environment & Behavior*. DOI 10.1177/0013916510392030
- Lokhorst, A. M., Werner, C. M., Staats, H., & van Dijk, E. (in press). A review of commitment strategies in environmental research.

Manuscripts submitted:

- Durfee, J., Forster, C., Werner, C. M., & Peterson, T. R. (under review). The utility of a system simulating game in mediated modeling workshops.
- Werner, C. M. & Stanley, C. P. (under review). Guided Group Discussion as a Persuasive Technique: Changing Reported Use and Disposal of Toxic Home and Garden Products
- Werner, C. M., Rioux, L. & Mokoukolo, R. (under review). L'adaptation de l'Irvine-Minnesota inventory-IMI - au contexte français.

Manuscripts under revision or in preparation:

- Werner, C. M. (under revision). "*Block leaders*" and household hazardous waste: *Sharing information and learning what neighbors think*.

Edited Volumes:

- Altman, I., & Werner, C. (Eds.) (1985). *Home environments: Human behavior and the Environment (Volume 8)*. New York: Plenum.
- With V. Giuliani & M. Bonnes (1987). Home interiors: A European perspective. Special issue of *Environment and behavior*, 19.

Book Reviews:

- Werner, C. M. (1986). Personal relationships: Out of time, out of place (book review). *Contemporary Psychology*, 31, 110-112.
- Werner, C. (1988). Clothing as communication: Madonna in black silk. *Contemporary Psychology*, 5(33), 421-422.
- Werner, C. M. (1991). Review of S. Duck (Ed.), Handbook of Personal Relationships. *Journal of Social and Personal Relationships*, 8, 293-296.

Convention Papers:

- Werner, C., & Latane, B. (1970, November). *Rats are attracted to the human hand*. Paper presented at the Psychonomic Society meeting.
- Werner, C., & Latane, B. (1971, April). *Social and nonsocial sources of attraction in rats*. Paper presented at the Eastern Psychological Association meeting.
- Latane, B., & Werner, C. (1973). *The regulation of social contact in rats by time, not distance*. Paper presented at the Midwestern Psychological Association meeting.
- Werner, C. (1974, April). *Are women less helpful than men, or simply more susceptible to social influence pressures?* Paper presented at the Western Psychological Association meeting.
- Anderson, D. F., & Werner, C. (1975, May). *Rats are attracted to a fondling hand*. Paper presented at the Rocky Mountain Psychological Association meeting.
- Hansen, K. E., & Werner, C. (1975, May). *Social isolation, social surrogates, and social affiliation*. Paper presented at the Rocky Mountain Psychological Association meeting.
- Werner, C., & Hanchett, L. (1975, May). *Eye contact as a responsibility diffusion inhibitor in hitchhiking*. Paper presented at the Rocky Mountain Psychological Association meeting.
- Werner, C. (1976). *Intrusiveness and persuasive impact of 3 communication media*. Paper presented at the Rocky Mountain Psychological Association meeting, Phoenix, AZ.
- Ayman, R., Chemers, M., & Werner, C. (1976, August). *Cognitive factors in rural-urban migration*. Paper presented at the American Psychological Association meeting.
- Chemers, M., & Werner, C. (1976, August). *Expectancy theory analysis of migration*. American Psychological Association Symposium on Decision Models in Population, Washington, DC.

- Werner, C. (1977). *How sure is sure? Variations in reasonable doubt as a function of alleged crime*. Paper presented at the Western Psychological Association meeting, Seattle, WA.
- Kagehiro, D., & Werner, C. M. (1977). *Effects of authoritarianism and inadmissibility of evidence on jurors= verdicts*. Paper presented at the Midwestern Psychological Association meeting, Chicago, IL.
- Parmelee, P., & Werner, C. M. (1977). *Lonely losers: Stereotypes of single dwellers*. Paper presented at the Rocky Mountain Psychological Association meeting.
- Kagehiro, D. K., & Werner, C. M. (1979). *Effects of authoritarianism, favorability, and admissibility of evidence on jurors= verdicts*. Paper presented at the Rocky Mountain Psychological Association meeting, Las Vegas, NV.
- Parmelee, P., Werner, C., & Diefenderfer, J. (1979, April). *Subjective territoriality of single and shared dwellers: It=s who you are AND what you do*. Paper presented at the Western Psychological Association meeting, San Diego, CA.
- Werner, C., Strube, M., Cole, A., & Kagehiro, D. K. (1979). *Repeated service and jury verdicts in Salt Lake County*. Paper presented at the American Psychology and Law Society meeting, Baltimore, MD.
- Kagehiro, D. K., & Werner, C. M. (1979, April). *Divergent causal perceptions of jail inmates and correctional officers*. Paper presented at the Western Psychological Association meeting, San Diego, CA.
- Werner, C. M., & Albert, S. (1981, August). *Issues in Personality/Social graduate training*. Panel discussion at the American Psychological Association meeting, Los Angeles, CA.
- Werner, C. M. (1981, August). *Recruitment of graduate students*. Paper presented at the American Psychological Association meeting, Los Angeles, CA.
- Strube, M. J., & Werner, C. M. (1981, August). *Facilitation of Type A=s heart rate control*. Paper presented at the American Psychological Association meeting, Los Angeles, CA.
- Strube, M. J., & Werner, C. M. (1981, August). *Sex differences in appropriateness of communication through multiple nonverbal channels*. Paper presented at the American Psychological Association meeting, Los Angeles, CA.
- Strube, M. J., & Werner, C. M. (1981, August). *Interpersonal control and the Type A coronary behavior pattern*. Paper presented at the American Psychological Association meeting, Los Angeles, CA.
- Strube, M. J., & Werner, C. M. (1981, August). *Mediating effects of attribution on symptom reporting and physiological response*. Paper presented at the American Psychological Association meeting, Los Angeles, CA.

- Altman, I., & Werner, C. M. (1982, July). *Research satisfaction as a criterion of quality: A social psychological analysis*. Keynote Address, International Association of Applied Psychology, Edinburgh, Scotland.
- Brown, B. B., & Werner, C. M. (1982). *Social cohesiveness, territoriality and holiday decorations: The influence of cul-de-sacs*. Paper presented at the American Psychological Association meeting, Washington, DC.
- Strube, M. J., & Werner, C. M. (1982). *Relinquishment of control and the Type A/B pattern*. Paper presented at the American Psychological Association meeting, Washington, DC.
- Werner, C. M., Strube, M. J., Hill, C., & Chemers, M. M. (1982). *Type A/B job control, and chronic high blood pressure among administrators*. Paper presented at the American Psychological Association meeting, Washington, DC.
- Werner, C. M., Oxley, D. K., & Altman, I. (1983, April). *Transactional analysis of homes*. Paper presented at the International Housing Research Network Workshop, EDRA 14.
- Oxley, D. K., Werner, C. M., & Altman, I. (1983, April). *An ethnography of Christmas Street*. Paper presented at the International Housing Research Workshop, EDRA 14.
- Werner, C. M., Frankel, L., & Kagehiro, D. K. (1983, April). *Problems in using law in psychology and psychology in law: Conflicts of interest between attorneys and social psychologists*. Paper presented at the Rocky Mountain Psychological Association meeting, Salt Lake City, UT.
- Altman, I., Oxley, D., & Werner, C. M. (1984, June). *Workshop on continuity and change in expressive space*. EDRA conference, San Luis Obispo, CA.
- Werner, C. M., Brown, B. B., & Peterson-Lewis, S. (1984, June). *The individuality/communality and accessibility/inaccessibility dialectics in Christmas decorations*. Paper presented at workshop on visual images in person/place bonds. EDRA conference, San Luis Obispo, CA.
- Werner, C. M., & Haggard, L. (1984, August). *Job specific behavioral and environmental privacy regulation*. Paper presented at the American Psychological Association meeting, Toronto, Ontario.
- Werner, C. M., Altman, I., & Oxley, D. (1984, October). *Temporal qualities of homes*. Paper presented at the Society of Experimental Social Psychology meeting, Snowbird, UT.
- Werner, C. M. (1984, October). *Decorations and friendship patterns*. Paper presented at the Society of Experimental Social Psychology meeting, Snowbird, UT.
- Brown, B. B., & Werner, C. M. (1985, June). *Subjective attachment themes of territorial markers and relocation adjustment*. Paper presented at Environmental Design Research

- Association Conference, EDRA 16, New York.
- Werner, C. M., Peterson-Lewis, S., & Brown, B. B. (1985, June). *Perceived friendliness of home exteriors*. Paper presented at Environmental Design Research Association Conference, EDRA 16, New York.
- Werner, C. M. (1985, August). *Practical and ethical aspects of field research*. Presented at a symposium entitled A Graduate Education and Social Responsibility@, APA Convention, Los Angeles, CA. (ERIC Document Reproduction Service No. ED 263 476.)
- Gibson, B., Harris, P., & Werner, C. M. (1992, August). *Intimacy and personal space: A classroom demonstration*. Presented at the 100th annual convention of the American Psychological Association, Washington, DC.
- Werner, C. (1993, November). *Increasing adherence to wilderness signs*. Presented at the Xth North American Interdisciplinary Wilderness Conference, Ogden, Utah. Also presented in 1995, March at the Environmental Design Research Association Conference, EDRA 26, Boston, MA.
- Makela, E., & Werner, C. M. (1996, June). *Motivations and behaviors that support recycling*. Presented at the 27th annual conference of the Environmental Design Research Association in Salt Lake City, Utah.
- Partain, K. K., Rhodes, M. U., & Werner, C. M. (1996, June). *Designing effective instructional signs with schema theory: Case studies of polystyrene recycling*. Presented at the 27th annual conference of the Environmental Design Research Association in Salt Lake City, Utah.
- Stoll, R., Birch, P., & Werner, C. M. (1996, June). *Validation as a method of increasing cognitive elaboration: Application to aluminum can recycling*. Presented at the 27th annual conference of the Environmental Design Research Association in Salt Lake City, Utah.
- Werner, C. M. (1996, June). *Service learning and empowerment*. Presented at the 27th annual conference of the Environmental Design Research Association in Salt Lake City, Utah. Also presented at the Salt Lake Valley Service Learning Network, January, 1997.
- Werner, C. M., Sansone, C., & Makela, E. (1998, August). *Intrinsic motivation and green consumers*. Presented at the 24th International Congress of Applied Psychology, San Francisco, CA.
- Werner, C. M., & Altman, I. (1998, August). *Humans and nature: Insights from a transactional view*. Presented at the 24th International Congress of Applied Psychology, San Francisco, CA.
- Werner, C. M. (1998, May). *Service learning volunteers in natural resource settings*. Presented at the 7th International Symposium on Society and Resource Management, Columbia, MO.

- Werner, C. M., Adams, D., Isaac, J., Sansone, C., & Hunyh, S. H. (1999, June). *Reference groups and behavior change: A study of household hazardous waste reduction*. Presented at the American Psychological Society conference, Denver, CO.
- Isaac, J. D., Werner, C. M., Adams, D., Haggard, L.M., Sansone, C., & Huong, H.H. (1999, August). *Informational brochures and attitude change: Differentially effective messages*. Presented at the American Psychological Association conference, Boston, MA.
- Werner, C. M., & Adams, D. (2000, May). *Strategies for Behavior Change: The ANo More Chemically Dependent Homes@ Program*. Paper presented at the 2000 Northwest Household Hazardous Waste Conference, Portland, OR. Also presented at the National SWANA/NAHHMA conference, Boston, MA, November 2000.
- Livsey, S., Werner, C. M., Sansone, C., McVaugh, N., & Smith, J. L. (2000, June). *Encouraging nature friendly gardening: Strategies that combine persuasion and behavioral self-regulation*. Poster session presented at the ISSRM conference (Eighth International Symposium for Society and Resource Management), Bellingham, WA.
- McVaugh, N., Werner, C. M., Sansone, C., Livsey, S., & Smith, J. L. (2000, June). *Behavior change to support environmental policy: The Aenjoying backyard nature@ calendar*. Poster session presented at the ISSRM conference (Eighth International Symposium for Society and Resource Management), Bellingham, WA.
- Werner, C. M., & McVaugh, N. (2000, June). *Service-learning Arules@ that encourage or discourage long-term service: Implications for research and practice*. Poster session presented at the ISSRM conference (Eighth International Symposium for Society and Resource Management), Bellingham, WA.
- Werner, C. M., Sansone, C., Livsey, S., McVaugh, N., & Smith, J. L. (2000, June). *Changing Environmental Behaviors: Inspiration from Persuasion and Behavioral Self-Regulation Research*. Paper presented at the ISSRM conference (Eighth International Symposium for Society and Resource Management), Bellingham, WA.
- Werner, C. M. (2001, February). *The ANo More Chemically-Dependent Homes@ Program*. Paper presented at the Minnesota Pollution Control Agency=s 2001 Waste conference, Bloomington, MN.
- Werner, C. M. (2002, May). *Intrinsic motivation and transit use*. Paper presented at the 33rd annual edra conference, Philadelphia, PA.
- Werner, C. M. (2002, May). *Citizen action in transportation issues: A tale of two cities*. Paper presented at the 33rd annual edra conference, Philadelphia, PA.
- Sorrow, D., Campos, R., Carmalt, J., Jeppson, S., Salvador, A., Brown, B. B., & Werner, C. M. (2002, June). *Transit-oriented designs may reduce sprawl and congestion: But how do we get people on the train?* Paper presented at

- the 9th International symposium on Society and Resource Management, Bloomington, IN.
- Werner, C. M., Byerly, S., & Sansone, C. (2004, July). *Reducing use of toxic household products through guided group discussion*. Paper presented at the 18th annual IAPS meeting: Vienna.
- Brown, B. B., & Werner, C. M. (2004, June). *Transit use and city livability*. Paper presented at Environmental Design Research Association meeting, Albuquerque, NM.
- Werner, C. M. (2004, June). *Preventing contamination using nontoxics instead*. Paper presented at the Environmental Design Research Association meeting, Albuquerque, NM.
- Werner, C. M. (2005, September). *Embedding behavior change in its socio-environmental context*. In Werner, C. M. (2005, Sept) (Chair). *Principles of Behavior Change*. Paper presented at symposium organized for the 20th annual North American Hazardous Materials Management Conference, Tacoma, WA.
- Werner, C. M. (2005, September). *Picking a good comparison group*. In Werner, C. M. (Chair). *Does your HHW Education Program Work?* Paper presented in workshop organized for the 20th annual North American Hazardous Materials Management Conference, Tacoma, WA.
- Amburgey, J. W., Werner, C. W., Brown, B. B., & Szalay, C. (2005, September). *Where Do People Like To Walk? Environmental Influences on Walkability of Urban Areas*. Research presented before a panel discussion at the 11th Annual Rail-Volution Conference, Salt Lake City, Utah.
- Amburgey, J. W., Werner, C. W., Brown, B. B., & Szalay, C. (2005, October). *City Walkability and Transit Use*. Research presented at the 20th Anniversary Conference of the Society for Human Ecology, Salt Lake City, Utah.
- Werner, C. M., & Brown, B. B. (2007, May). Measuring walkability with the Irvine-Minnesota Instrument. Paper presented at the Environmental Design Research Association (edra) meeting, Sacramento, CA.
- Lokhorst, A. M., Werner, C., Staats, H., van Dijk, E., & Gale, J. (2011, September). Commitment and behavior change: A meta-analysis and critical review of commitment making strategies in environmental research. Presentation for the 9th Biennial Conference on Environmental Psychology, Eindhoven, Netherlands.

Invited Addresses:

- Werner, C. M., Altman, I., & Oxley, D. (1983, December). *A Transactional Analysis of Home Interiors*. International Symposium presented at the Italian National Science Foundation, Rome.
- Werner, C. M. (1984, April). *Dynamic Qualities of Interpersonal Relationships*. Invited colloquium presented at Texas Christian University.
- Werner, C. M. (1986, February). *Transactional Analysis of Neighborhood Social Relations*. Invited address presented at the Fifth Claremont Conference on Applied Social Psychology, Claremont, CA.
- Werner, C. M., & Altman, I. (1986, September). *Transactional analysis of neighborhood social networks: A case study of AChristmas Street@*. European Association of Experimental Social Psychology, Conference on Environment & Applied Psychology, Lisbon, Portugal.
- Werner, C. M. (1986, October). *AA Need for Time & Place in Interpersonal Relations@*. Presented at the pre-SESP informal meeting on Interpersonal Relations at Phoenix, Arizona.
- Werner, C., & Altman, I. (1986, June). *Social Psychological Aspects of Homes: A Cross-Cultural Perspective*. Paper presented at the International Association of Applied Psychology meetings in Jerusalem.
- Altman, I., Werner, C. M., Brown, B. B., & Staples, B. (1990, April). *Placemaking in social relationships*. Paper presented at the International Workshop on Home Environments: Physical space and Psychological Processes, Cortona, Italy. Also presented at the IAPS meeting in Kyoto, Japan, 1990.
 Also reprinted in Y. Yoshitake, R. B. Bechtel, T. Takahashi, & M. Asai (Eds.) (1990), *Current issues in environment-behavior research* (pp. 149-161). Tokyo, Japan: University of Tokyo.
 Also reprinted in M. V. Giuliani (Ed.) (1992), *Home: Social, temporal and spatial aspects* (pp. 3-13). PFEdilizia-CNR: Milan, Italy.
- Werner, C. M., & Altman, I. (1992, July). *A transactional world view*. Paper presented at the conference "The City as a Frame for Development." Herten, Germany.
- Werner, C. M. (1996, November). *Sustainability: Psychological perspectives*. Paper Presented at the UNESCO MOST Conference on Sustainable Development. Frankfurt, Germany.
- Werner, C. M. (1998, October). *Promoting environmental behavior*. Invited address presented at the 41st Congress of the German Psychological Association conference in Dresden, Germany.

- Werner, C. M. (2000, November). Discussant. National Academy of Science / Conference on Voluntary Compliance. Washington, DC.
- Werner, C. M. (2001, October). *Strategies for Behavior Change: The "No More Chemically Dependent Homes" Program*. Invited address presented at the Utah Environmental Health Association's Fall conference in Soldier Hollow State Park, UT.
- Werner, C. M. (2002, March). *Psychological perspectives on behavior change: The "No more chemically dependent homes" program*. Paper presented at the EPA/NSF DMVEP conference, Washington, DC.
- Brown, B. B., & Werner, C. M. (2005, May). *Activity friendly environments for adults*. In Day, K. (Chair), *Active Living: Contributions of Environment and Behavior Research*. Invited symposium conducted at the meeting of the Environmental Design Research Association (edra), Vancouver, B. C. Canada.
- Werner, C. M. (2005, Sept) (Chair). *Does your HHW Education Program Work?* Workshop organized for the 20th annual North American Hazardous Materials Management Conference, Tacoma, WA.
- Werner, C. M. (2006, June). *Guided group discussion about toxic household products: Embedding persuasion in its socio-physical context*. In Myers, G. (Chair), *Psychological dimensions of resource conservation challenges*. Invited symposium conducted at the meeting of the international Symposium on Society and Resource Management (ISSRM), Vancouver BC.
- Werner, C. M., & Brown, B. B. (2006, July). No silver bullet: The social, physical, and economic-policy contexts of behavior change. In Werner, C. M., & Brown, B. B. (Co-Chairs), *Embedding Environmental Behaviors in their Social-Environmental-Policy Contexts*. Invited symposium conducted at the meeting of the 26th International Congress of Applied Psychology, Athens, Greece.
- Werner, C.M., & Brown, B. B. (2006, July). *Embedding Environmental Behaviors in their Social-Environmental-Policy Contexts*. Symposium organized for the International Congress of Applied Psychology, Athens.
- Werner, C. M. (2008, May). Guided Group Discussion: A way to increase proenvironmental behaviors. Presentation for the Psychology Department, University of Paris X
- Werner, C. M. & Brown, B. B. (2008, May). Measuring Walkability with the Irvine-Minnesota Instrument (IMI). Presentation for the Psychology Department, University of Paris X.
- Werner, C. M. (2008, May). How do reduce automobile dependency? By making it more attractive to walk, bike and use transit. Presentation for the Psychology Department, University of Paris X.

- Brown, B. B., & Werner, C. M. (2008, July). If you build it, who will come? Resident experiences with a new neighborhood rail stop. Paper presented at IAPS Conference, Rome, Italy (Symposium Title: "Urban Design and Healthy Lifestyles").
- Werner, C. M., & Brown, B. B. (2008, July). Walkability and the Irvine Minnesota Inventory (IMI): Unique and general uses. Paper presented at IAPS Conference, Rome, Italy (Symposium Title: "Urban Design and Healthy Lifestyles").
- Werner, C. M. & Brown, B. B. (2008, July). Urban Design and Healthy Lifestyles. Symposium organized for the IAPS Conference, Rome, Italy.

Technical Reports/Newsletter Articles:

- Pronatalism.* SLC APG Chapter; Bountiful High School; Department of Family and Consumer Studies, University of Utah.
- Evaluating advertising effectiveness.* Utah Advertising Association, September, 1976.
- The Adolescent and Life-Span Planning.* Women=s Year Conference.
- Werner, C., & Parmelee, P. P. (1975). *Report on experiential education program.* Psychology Department and the UYA.
- Parmelee, P., & Werner, C. (1978). *Patterns of social and personal activity among residents of University of Utah Residence Halls.* Report to the University of Utah Office of Residential Living.
- Kagehiro, D. K., & Werner, C. (1978). *Divergent perceptions of officers and inmates.* Progress Report #1 to Salt Lake County Jail staff.
- Kagehiro, D. K., & Werner, C. (1978). *Divergent perceptions of officers and inmates.* Progress Report #2 to Salt Lake County Jail staff.
- Werner, C., Cole, A., Kagehiro, D., & Strube, M. (1979). *Preliminary report of repeated service effects.*
- Werner, C., Strube, M., Cole, A., & Kagehiro, D. K. (1979). *Repeated service and jury verdicts, Salt Lake County.* Final Report.
- Werner, C. (1986, Fall). *Celebration of Christmas Street.* International Housing Research Network Newsletter.
- Werner, C. M. (1991). *Projects, not exercises.* Design Research News (EDRA Newsletter), XXII(2), pp. 24, 35.
- Werner, C. M. (1998). *Behavior change.* Expert report submitted to the U.S. Army Corps of Engineers (Part of longer commentary on ALegacy Highway DEIS@).

Werner, C. M., & Sorod, B. (2001). *Salt Lake County's Hazardous Waste Facility Study: Residents' Knowledge and Opinions*. Report to Salt Lake Valley Health Department.

Grants and Contracts:

| <u>Title</u> | <u>Co-Principal Investigator</u> | <u>Agency</u> | <u>Amount</u> |
|--|----------------------------------|------------------------|---------------|
| Nonsocial Satisfiers of Social Needs (1973-1975) | | Faculty Research Grant | \$ 2,779 |
| Effects of Repeated Service on Juror Verdicts (1977-1980) | | Faculty Research Grant | \$ 1,736 |
| Type A Reactions to Stress (1981-1983) | | Biomedical Grant | \$ 2,918 |
| Social Psychology and Mental Health Services Training (1980-1985) (5 years) | M. M. Chemers | NIMH | \$431,918 |
| Reactions to an Intrusion (1985-1987) | | URC | \$ 4,344 |
| Smoker/Nonsmoker interactions: Increasing Nonsmokers' Assertiveness (1990-1991) | | U. Biomed | \$ 2,000 |
| Proposals Initiatives Grant | | College of SBS | \$ 2,000 |
| Promoting Proper Use of a Household Hazardous Waste Facility: A Systems Approach (1997-1999) | | EPA / NSF | \$128,000 |
| Does Validation Increase Message Scrutiny? A Field Experiment of Recycling (8/01/00 - 9/1/02) | | URC | \$2,577 |
| Proper Use of a Household Hazardous Waste Facility: Teaching and Maintaining New Behaviors (9-1-01 to 8-31-05) | | NSF/EPA | \$126,753 |

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|---|---|---------|
| With PI Barbara Brown: “Does a new light rail stop increase neighborhood walking and satisfaction?” (2006) | CSBS Institute of Public and International Affairs Seed Grant Program | \$5,998 |
|---|---|---------|

Pataki (PI) and Forster (PI after Pataki moved) UTES NSF Biocomplexity Grant. (2000-2006)
Co-PI and recipient of Research Experience for Undergraduates (REU) funds. Grant ATM 0215768
(administered by Urban Planning/Architecture)

Brown, B. B., Smith, K., Werner, C. M., & Miller, H. (2011). Complete the streets 3 ways: Relationships with activity and BMI. National Institutes of Health.

Submitted Grants (not funded)

Brown, B.B., Werner, C.M., Smith, K.R., Yamada, I. (2008) Neighborhood BMI: Physical & psychological links with physical activity.
(292,534) NIH. Funding denied.

Brown, B.B., Werner, C.M., Smith, K.R., Yamada, I. (2007) Neighborhood BMI: Physical & psychological links with physical activity and eating.
(292,534) NIH. Funding denied.

PIs: E.R. Pardyjak (Mechanical Engineering), C. Forster (Architecture and Planning), D.E. Pataki (Earth Systems Science/Ecology and Evolutionary Biology), J.D. Saphores (Civil and Environmental Engineering/Economics) and C. Werner (Psychology) (2006, Nov). Collaborative Research: An integrated study of the relationships among human behavior and microclimate in the built environment (study of behavior change (water conservation, especially in landscaping) with biochemical outcome measures). Submitted as a 5-year NSF Biocomplexity grant.