

**VITA****Sandra L. Carpenter**

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**ACADEMIC POSITIONS**

Professor, Psychology	The University of Alabama in Huntsville, 2002 – present
Chair of the Department of Psychology	The University of Alabama in Huntsville, 2001 - 2009
Associate Professor, Psychology	The University of Alabama in Huntsville, 1995 – 2002
Director of Women’s Studies Program	The University of Alabama in Huntsville, 1999 - 2001
Assistant Professor, Psychology	The University of Alabama in Huntsville, 1989 - 1995
Visiting Assistant Professor, Psychology	Vassar College, Poughkeepsie, New York, 1986-1989
Visiting Assistant Professor, Psychology	Rice University, Houston, Texas, 1984-1986
Post-doctoral Fellow, Psychology	The Ohio State University, Columbus, OH, 1983-1984

**EDUCATION**

Ph.D. (1983), University of California, Santa Barbara, CA 93106

Dissertation: The influence of perceiver goals on impression formation

B. A. (1978), California State University, Fullerton, CA 92634

Majors: Psychology and Philosophy

**EXTERNAL FUNDING**

NSF grant: 1220026 (Secure and Trustworthy Computing) 2012 – 2016; \$464,124

“Developing countermeasures to mitigate psychological attacks on personal identity information”

F/DOD/ARMY/AMCOM/Team Progress and Effectiveness: Assessment & Evaluation Task; Contract

#DAAH01-C-R160 Option Order 063b CLIN 0010AT 0011AH

TORCH Technologies/AMCOM: Technical support and engineering support for the weapons

development and integration directorate; Contract T14S112 (2015 – 2016)

CONSULTING: (1) High Performance Work Essentials, January 2012, Missile and Space Intelligence Center, Redstone Arsenal, Huntsville, AL.

(2) Successful Virtual Teams, April 2014, Missile & Space Intelligence Center, Redstone Arsenal, Huntsville, AL.

(3) Job analysis and compensation analysis, Spring 2015, Phoenix Industries, Huntsville, AL.

**TEACHING****Courses Taught**

Applications in Psychology	Research Methodology (laboratory course)
Cognition	Social Cognition
Cross-Cultural Psychology	Social Learning Theory
General Psychology	Social Psychology (cross-listed in Sociology)
Individual Differences	Social Psychology of the Media
Personality Theories	Teams and Teamwork Processes
Psychology of Women	Tests and Measurements
Psychometrics	The Social Self

**Curriculum and Course Development**UAH

UAH Psychology 101/102 sequence

UAH Psychology 500

UAH Women's Studies minor program

Honor's Seminar: Culture, Self, and Identity

Global Systems and Cultures program

Sasakawa Fellowship for Japan Studies Institute 2004

Industrial-Organizational Psychology Specialization in the M.A. program

Vassar College

International Studies Syllabus and Text

Psychology software demonstrations

**HONORS**

Ohio State University Fellowship, 1983-1984

Dean's List, 1971-1978

California State Scholar, 1971-1972

Phi Kappa Phi, 2000 – present

Sigma Xi, 2001 – present; president of UAH local chapter 2008 - 2009

## SCHOLARSHIP

### PEER-REVIEWED PUBLICATIONS

Carpenter, S., Zhu, F., & Kolimi, S. (2014). Warnings as countermeasures to psychological cyber-attacks on personal identity information. *Applied Ergonomics* 45 (5), 1337 – 1342.

Carpenter, S., Utley, D, Delugach, H. & Etkorn, L. (2013). How instructional format (voice and modality) influences subsequent performance: An empirical study. *International Journal of Teaching and Learning in Higher Education*, 25 (1), 59 – 65.

Zhu, F., Carpenter, S., & Mutka, M. W. (2011). Understanding identity exposure in pervasive computing environments, *Pervasive and Mobile Computing Journal*, doi:10.1016/j.pmcj2011.06.007.

Carpenter, S., Delugach, H., Virani, S., Utley, D., & Fortune, J. (2011). Reflections and evolution of an interdisciplinary research team. *International Journal of Interdisciplinary Studies in Computer Science and Engineering*, 1 (1), 65 – 72.

Zhu, F., Carpenter, S., Zhu, W., Mutka, M. (2010). A game theoretic approach to optimize identity exposure in pervasive computing environments. *International Journal of Information Security and Privacy*, 4 (4), 1 – 20.

Carpenter, S., & Pruitt, S. M. (2007). Descriptiveness of information elicited by open-ended personality measures. *World Cultures*, 16 (1), 51 – 61.

Carpenter, S., Delugach, H., Etkorn, L., Farrington, P., Fortune, J., Utley, D., & Virani, S. (2007). A knowledge modeling approach to evaluating student essays in engineering courses. *Journal of Engineering Education*, 96 (3), 227 – 239. (This article was also selected for on-line presentation in the *Annals of Research in Engineering Education* in 2008. Our research was one of only a couple articles chosen from the *Journal of Engineering Education* for presentation in this education-focused forum. We prepared a structured summary of the original article and submitted additional “reflections” about the research. <http://www.areeonline.org/> )

Carpenter, S., Zarate, M., & Garza, A. (2007). Cultural pluralism and prejudice reduction. *Cultural Diversity and Ethnic Minority Psychology*, 13(2), 83 – 93.

Carpenter, S., & Karakitapoğlu-Aygün, Z. (2005). Importance and descriptiveness of self-aspects: A cross-cultural comparison. *Cross-cultural Research*, 39 (3), 293 – 321.

School Spirit Study Group. (2004). Measuring school spirit: A national teaching exercise. *Teaching of Psychology*, 31, 18 – 21. [This project was completed by a consortium of instructors at 20 colleges and universities, including myself.

Carpenter, S., & Radhakrishnan, P. (2002). The relation between allocentrism and perceptions of in-groups. *Personality and Social Psychology Bulletin*, 28, 1528 – 1537.

Carpenter, S., & Trentham, S. (2001). Should we take “gender” out of gender subtypes? The effects of gender, evaluative valence, and context on the organization of person subtypes, *Sex Roles*, 45, 455 – 480.

Carpenter, S., & Johnson, L. E. (2001). Women derive collective self-esteem from their feminist identity. *Psychology of Women Quarterly*, 25, 254 – 257.

Carpenter, S., & Radhakrishnan, P. (2000). Allocentrism and idiocentrism as predictors of ingroup perceptions: An individual difference extension of cultural patterns. *Journal of Research in Personality*, 34, 262 – 268.

Carpenter, S. (2000). Effects of cultural tightness and collectivism on self-concept and causal attributions. *Cross-Cultural Research*, 34, 38 – 56.

Carpenter, S., Lutsky, N., Wann, D. L., Symbaluk, D. G., Cameron, H. Sattler, D. N., Back, S., & Pollitt, H. (2000). Focusing on experimentation. In M. E. Ware & D. E. Johnson (Eds.), *Handbook of demonstrations and activities in the teaching of psychology, Volume 3: Personality, abnormal, clinical-counseling, and social* (2<sup>nd</sup> Ed.), pp. 161 – 174. Mahwah, NJ: Lawrence Erlbaum.

Carpenter, S., & Halberstadt, A. (2000). Mothers' reports of events causing anger differ across family relationships. *Social Development*, 9, 458 – 477.

Carpenter, S., & Trentham, S. (1998). Subtypes of women and men: A new taxonomy and an exploratory categorical analysis. *Journal of Social Behavior and Personality*, 13, 679 – 696.

Carpenter, S. (1998). Content analysis project for research novices. *Teaching of Psychology*, 25, 42 - 44.

Carpenter, S., & Halberstadt, A. (1996). What makes people angry? Laypersons' and psychologists' categorizations of anger in family relationships. *Cognition and Emotion, 10*, 627 - 656.

Carpenter, S. (1994). Characteristics of gender subtypes: Group and individual differences. *Sex Roles, 31*, 167-185.

Carpenter, S. (1994). Gender categorization: Cognitive effects of personality and situations. *Journal of Social Behavior and Personality, 9*, 119-128.

Carpenter, S. (1993). Organization of in-group and out-group information: The influence of gender-role orientation. *Social Cognition, 11*, 70-91.

Ostrom, T. M., Carpenter, S. L. Sedikides, C., & Li, F. (1993). Differential processing of in-group and out-group information. *Journal of Personality and Social Psychology, 64*, 21-34.

Hamilton, D. L., Grubb, P. D., Acorn, D. A., Trolier, T. K., & Carpenter, S. (1990). Attribution difficulty and memory for attribution-relevant information. *Journal of Personality and Social Psychology, 59*, 891-898.

Carpenter, S. (1988). Self-relevance and goal-directed processing in the recall and weighting of information about others. *Journal of Experimental Social Psychology, 24*, 310-332.

Hamilton, D. L., Carpenter, S., & Bishop, G. D. (1984). Racial integration of suburban neighborhoods. In N. Miller & M. B. Brewer (Eds.), *Groups in Contact: The Psychology of Desegregation*, (pages 97-121). New York: Academic Press.

Reilly, T., Carpenter, S., Dull, V., & Bartlett, K. (1982). The factorial survey technique: An approach to defining sexual harassment on campus. *Journal of Social Issues, 38*, 99-110.

Leirer, V. O., Hamilton, D. L., & Carpenter, S. (1982). Common first names as cues for inferences about personality. *Personality and Social Psychology Bulletin, 8*, 712-718.

#### **PUBLISHED, PEER-REVIEWED CONFERENCE PROCEEDINGS**

Zhu, F., Carpenter, S., & Kolimi, S. Mindlessness attacks. Proceedings of the 6<sup>th</sup> International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, July, 2015, Las Vegas, NV.

Carpenter, S., & Zhu, F. Gender, age, and ethnic influences on privacy attitudes. Proceedings of the 2015 Southeastern Cyber Security Summit, Huntsville, AL, June, 2015.

Gholston, S., Utley, D., & Carpenter, S. (2014). Enhancing teamwork and team performance: Considering cognitive characteristics of team development. Proceedings of the 2014 IEMS conference (pp. 38 – 42), Coco Beach, FL.

Zhu, F., Carpenter, S., Kulkarni, A., & Kolimi, S. (2011). Reciprocity attacks. Proceedings of the *Symposium on Usable Privacy and Security*, Pittsburgh, PA.

Hall, R., Carpenter, S., & Compton, P. (2010). A low-cost intervention to prevent falls in active older women. *Proceedings of the Human Factors and Ergonomics Society, Aging*, 150 – 154, doi 10.1518/107118110794009704.

Zhu, F., Carpenter, S., Kulkarni, A., Chidambaram, C. & Pathak, S. (2009). Understanding and minimizing identity exposure in ubiquitous computing environments. *Proceedings from the 2009 International conference on mobile and ubiquitous systems: Computing, networking, and services*. Toronto, Canada.

Loyd, C., & Carpenter, S. (2006). Allocentrism, organizational culture, team cooperation, and the centipede game. *Proceedings of the ASEM conference*, Huntsville, AL.

### **PROFESSIONAL PRESENTATIONS**

Carpenter, S., Utley, D., Delugach, H., & Etzkorn, L. Shared mental models. Interdisciplinary Network of Group Researchers, Pittsburgh, PA, July 2015.

Carpenter, S., Thomas, C., Zhu, F., & Shreeves, M. A model of trust and risk in online disclosure decisions: The influences of personality and attitudes. Presented at the annual conference of the Society for Personality and Social Psychology, Long Beach, CA, February, 2015.

Bailey, E., O'Neal, P.V., Harris, T., Hoy, H., & Carpenter, S. Delirium in the Intensive Care Unit: Implementation of the CAM-ICU Assessment Tool. Sigma Theta Tau Region 8 Conference, Murfreesboro, TN, October, 2014.

Delugach, H., Carpenter, S., Utley, D., & Etzkorn, L. Freely Available Software for Eliciting and Comparing Team Mental Models: The Team Mental Model Acquisition Tool (MMAT).

Presented at the annual conference of the Interdisciplinary Network of Group Researchers, Raleigh, July, 2014.

Carpenter, S., & Zhu, F. Self-disclosure in cyberspace: The risk of heuristics and the prudence of controlled processing. Presented at the annual conference of the Society of Personality and Social Psychology, Austin, TX, February, 2014.

Carpenter, S. Psychological attacks on privacy and computer-mediated mitigations to attacks. Human Factors Society, Huntsville, AL, April 2013.

Weger, K., & Carpenter, S. The Effect of Guided Reflexivity on Team Communication: Transactive Memory and Situation Awareness., Interdisciplinary Network of Group Researchers annual conference, Atlanta, GA, July 2013.

Brown-Reitmeier, S., Utley, D., & Carpenter, S. Interdisciplinary Network of Group Researchers annual conference, Atlanta, GA, July 2013.

Carpenter, S., & Zhu, F. Psychological attacks and mitigations. NSF Secure and Trustworthy Cyberspace Principal Investigator meeting, Maryland, November 2012.

Carpenter, S., Utley, D, Delugach, H. & Etkorn, L. Measuring shared mental models without prior knowledge of the task: Metrics for mental model convergence and distinctiveness. Interdisciplinary Network of Group Researchers, July, 2012, Chicago, IL.

Weger, K., & Carpenter, S. Shared situational awareness in complex aerospace environments with communications technology disruption. 63rd International Astronautical Congress, Naples, Italy, October, 2012.

Gholston, S., Carpenter, S., & Utley, D. Assessing team development across time using a Lean Manufacturing simulation. The 18<sup>th</sup> Annual International Conference on Industry, Engineering, and Management Systems, Cocoa Beach, Florida, March 25-28, 2012.

Kolimi, S., Zhu, F., & Carpenter, S. Contexts and sharing or not sharing private information, ACM (Association for Computing Machinery) Southeast 2012 conference, March, Tuscaloosa, AL.

Kolimi, Zhu, F., & Carpenter, S. Is older wiser? An age-specific study of exposure of private information. ACM (Association for Computing Machinery) Southeast 2012 conference, March, Tuscaloosa, AL.

Carpenter, S. Emergent cognitive properties and performance of teams: Development of transactive memory and performance across time, Interdisciplinary Network of Group Researchers, July, 2011, Minneapolis, MN.

Carpenter, S. The entitativity continuum predicts perceptions of entitativity above and beyond the actual characteristics of group members. Presented at the annual meeting of the Interdisciplinary Network of Group Research, July, 2010, Washington, D. C.

Zhu, F., Carpenter, S., Kulkarni, A., Chidambaram, C. & Pathak, S. Understanding and minimizing identity exposure in ubiquitous computing environments. International conference on mobile and ubiquitous systems: Computing, networking, and services (Mobiquitous, 2009). Toronto, Canada.

Carpenter, S., & Cassel, J. Perceived group entitativity as a function of group member similarity. Presented at the annual meeting of the Interdisciplinary Network of Group Research, July, 2009, Colorado Springs, CO.

Carpenter, S., Delugach, H., Etzkorn, L., Fortune, J., Utley, D., Farrington, P., & Virani, S. Determining team shared mental models. Third International Conference on the Pragmatic Web, Uppsala, Sweden, September, 2008.

Carpenter, S. Knowledge of factors the impact effective team dynamics and performance: Mental models of teamwork and taskwork. Presented at the annual meeting of the Interdisciplinary Network of Group Researchers (INGRoup). Kansas City, MO, July 2008.

Carpenter, S. Developing a measure to elicit and compare mental models of processes. Presented at the annual meeting of Interdisciplinary Network of Group Researchers. Lansing MI, July 2007.

Loyd, C., & Carpenter, S. Allocentrism, team culture, organizational culture, and team cooperation. Presented at the American Society for Engineering Management. Huntsville, AL, October, 2006.

Carpenter, S. A measure of entitativity: The "groupness" of teams and groups. Presented at the annual meeting of Interdisciplinary Network of Group Researchers. Pittsburgh, PA, July 2006.

Carpenter, S., & Cassel, J. On-line processing and judgments of group entitativity. Presented at the Person Memory Interest Group conference. Julian, California, October, 2005.

Carpenter, S., & Karakitapoğlu-Aygün, Z. Identity issues: How do the identities of Turkish women and men compare to those of American women and men? Presented at the conference on Turkey at the crossroads: Women, women's studies, and the state. Istanbul and Bodrum, May and June, 2005.

Carpenter, S. Influences of allocentrism on perceptions of groups and on group decision-making. Invited address at St. Louis University, Missouri, November, 2001.

Carpenter, S. Chronic accessibility of group values and group goals. Presented at the annual meeting of the Society for Cross-Cultural Research, San Diego, CA, February, 2001.

Radhakrishnan, P. & Carpenter, S. Role of allocentrism and group type on assimilation of in-groups to self. Presented at the annual meeting of the American Psychological Society, Miami, FL, June, 2000.

Carpenter, S., & Radhakrishnan, P. Culture (ethnicity) differences in perceptions of group homogeneity and entitativity. Presented at the annual meeting of the Society for Cross-Cultural Research, New Orleans, LA, February, 2000.

Carpenter, S., & Radhakrishnan, P. Need for belonging: Perceptions of family, friends, ethnicity, and gender groups. Presented at the annual meeting of the Society for Cross-Cultural Research. Santa Fe, NM, February, 1999.

Lechuga, J., Radhakrishnan, P., & Carpenter, S. The availability of self and group representations among collectivists. Presented at the annual meeting of the Society for Cross-Cultural Research. Santa Fe, NM, February, 1999.

Johnson, L. E., & Carpenter, S. Relationships between gender, personal, and collective self-esteem, and feminist identity. Presented at the annual meeting of the Southeastern Psychological Association, Savannah, GA, March, 1999.

Carpenter, S., & Radhakrishnan, P. Cognitive representations of friends: Influence of culture/ethnicity and individual differences. Presented at the annual meeting of the Society for Cross-Cultural Research, St. Petersburg, FL, February, 1998.

Radhakrishnan, P., & Carpenter, S. The meaning of in-groups across cultures. Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL, April, 1998.

Zarate, M. A., Juarez, P., Carpenter, S., Duarte, J., & Rodriguez, S. F. Stereotype reduction through differential similarity comparisons. Presented at the annual meeting of the Western Psychological Association, Albuquerque, NM, April, 1998.

Carpenter, S. Effects of interdependence on conceptualizations of self and groups: Cultural and individual level analyses. Presented at the annual meeting of the American Psychological Society, Washington, D. C., May, 1998.

Carpenter, S. Subsistence economy: Effects on behavior and self-concept. Presented at the 25th anniversary meeting of the International Association of Cross-Cultural Psychology, Bellingham, WA, August, 1998.

Duarte, J., Juarez, P., Zarate, M. A., Rodriguez, S. F., & Carpenter, S. Contextual influences on the self-concept and intergroup prejudice. Presented at the 1997 annual meetings of the American Sociological Association, Toronto, Canada.

Carpenter, S. Self-concept and self-esteem: Importance of cultural conceptions of value. Invited presentation at New Mexico State University, Las Cruces, NM, November, 1996.

Carpenter, S. Self-representations: Self-construals, gender, and self-esteem. Presented at the Nag's Head Self and Identity Conference, Boca Raton, FL, June, 1996.

Carpenter, S. How do people describe themselves? It depends. Invited presentation at the University of Texas, El Paso, TX, November, 1995.

Carpenter, S. Cognitive measures of self-complexity: Correlates with self-construal, gender-role identity, and gender. Presented to the Society for Experimental Social Psychology, Washington, D. C., October, 1995.

Carpenter, S. Experimental perils of activating the self-concept. Presented at the Society for Experimental Social Psychology, Lake Tahoe, NV, October, 1994.

Carpenter, S. Incorporating ethics into the undergraduate curriculum: Resources and activities. Presented to the Southeastern Conference on the Teaching of Undergraduate Psychology, Marietta, GA, February, 1994.

Halberstadt, A. G., & Carpenter, S. Anger within family relationships. Paper presented at the meeting of the Society for Research on Child Development, New Orleans, LA, March, 1993.

Carpenter, S., & Halberstadt, A. G. Categories of anger in relationships. Paper presented at the Society for Experimental Social Psychology, San Antonio, TX, October, 1992.

Carpenter, S. Processing of gender information. Presented at the Southern Society for Philosophy and Psychology, Memphis, TN, April, 1992.

Carpenter, S. Categorization according to gender: A ubiquitous phenomenon? Presented at the Society for Experimental Social Psychology, October, 1990.

Carpenter, S. Cognitive measures of gender organization. Presented at the Society for Experimental Social Psychology, October, 1989.

Carpenter, S. Organization of person information as a function of sex-role orientation. Presented at the Society for Experimental Social Psychology, October, 1988.

Carpenter, S. Individual differences in the organization of information about others. Presented at the Society for Experimental Social Psychology, October, 1987.

Carpenter, S. Self-schematic processing of others: On-line and memory effects. Presented at the Society for Experimental Social Psychology, October, 1986.

Carpenter, S. Weighting of self-schematic information in person judgments. Presented at the Southwestern Psychological Association meeting, April, 1986.

Carpenter, S., & Ostrom, T. M. The perception of outgroup homogeneity: Differential information organization. Presented at the Midwestern Psychological Association meeting, May, 1985.

Carpenter, S. Impression complexity and drawing inferences. Presented at the Midwestern Psychological Association meeting, May, 1985.

Carpenter, S. The recall of self-relevant and goal-relevant information about others. Presented at the Midwestern Psychological Association meeting, May, 1984.

Carpenter, S. The role of a perceiver's expectations in impression formation. Presented at the meeting of the Western Psychological Association, April, 1983.

## **PROFESSIONAL ACTIVITIES**

### **Reviewer**

NSF Grant Proposals

Consulting Editor, 1997 - 2001: *Teaching of Psychology*

Psychology Journals: *Journal of Personality and Social Psychology*; *Personality and Social Psychology Bulletin*; *Basic and Applied Social Psychology*; *Social Cognition*; *Cross-Cultural Research*; *Teaching of Psychology*; *Sex Roles*; *Child Development*; *European Journal of Social Psychology*

### **University Grants**

UAH UR11 2012-410 "Cognitive aspects of team development"

UAH Research Institute Mini-grants, 1990, 1991, 1999

UAH Instructional Mini-grants 2001, 2003, 2005, 2006

Humanities Center Grant, 1997

National Science Foundation Summer Research Grant, 1997

Vassar College Research Grants, 1987 - 1989

Rice University Research Grant, 1984 – 1985

### **Professional Organizations**

Society for Personality and Social Psychology (Division 8, APA)

Interdisciplinary Network of Group Researchers (INGRoup)

Society for Cross-Cultural Research

Society for the Teaching of Psychology (Division 2, APA)

### **UAH Committees**

Admissions and Scholastic Affairs Committee, Chair, 1992-1996

Faculty Senate, 1992-1996

Humanities Center Committee, 2001

Liberal Arts Recruitment Committee, 1993-1996

Promotion and Tenure Committee for Liberal Arts 1997, 1998, 2000, 2009, 2011

Women's Studies Program Advisory Committee 1997 - 1998, 2001 – 2003, 2005 – present

Institutional Review Board (Use of Human Subjects), 2001 – 2008

Global Systems and Cultures Program, Development Committee, 2002 - 2003

Program Evaluation of Learning Communities Committee, 2002

Effectiveness Subcommittee for SACs reaffirmation, 2004 – 2005

Quality Enhancement Plan committee for SACs reaffirmation, 2005

Academic Resource Center Assessment Committee / Student Success Center, 2006 – present

Search committee for the Dean of Graduate Studies, 2010

Merger Committee for the College of Liberal Arts and College of Science, 2009

Assessment Committee (for the Student Success Center), 2006 – present

Chairs of CLA Compensation Committee, 2010

Reappointment Committee for Dean Glenn Dasher, 2012

Faculty Lead for SACS COC reaffirmation 2014 - present