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EDUCATION

Aug 2003: **Doctor of Philosophy in Psychological Sciences**
Purdue University, West Lafayette, IN; GPA = 4.0
Dec 2000: **Master of Science in Psychological Sciences**
Purdue University, West Lafayette, IN; GPA = 4.0
May 1999: **Bachelor of Arts in Psychology**
California State University Long Beach, Long Beach, CA
GPA = 4.0; Summa Cum Laude

POST-DOCTORAL ACADEMIC APPOINTMENTS

Aug 11- present: Professor
California State University Long Beach, Long Beach, CA: Department of Psychology
Aug 07-Aug 11: Associate Professor
California State University Long Beach, Long Beach, CA: Department of Psychology
Aug 05-Aug 07: Assistant Professor
California State University Long Beach, Long Beach, CA: Department of Psychology
Aug 04-July 05: Assistant Professor
California State University Northridge, Northridge, CA: Department of Psychology
Aug 03-July 04: Post-Doctoral Researcher
Purdue University, West Lafayette, IN: Department of Psychological Sciences
Aug 03-Dec 03: Limited-Term Lecturer
Purdue University, West Lafayette, IN: Department of Psychological Sciences

HONORS AND AWARDS

CSULB Distinguished Faculty: Scholarly and Creative Achievement Award: 2011
Early Promotion to Professor: 2011
Digital Avionics Systems Conference, Best Paper in Session and Human Factors Track: 2010
APA Division 21, Earl Alluisi Award for Early Career Achievement: 2009
CSULB Provost's Outstanding Mentor in Research, Scholarly, and Creative Activities: 2009
CSULB Early Career Excellence Award: 2009
CSULB Block Award: AY 10-11
CSULB Scholarly and Creative Activities Committee (SCAC) Award: AY 06-07, 07-08, 08-09, 09-10
Early Tenure: 2007
Early Promotion to Associate Professor: 2007
Post-Doctoral Research Fellow: 2003-2004
Jacob Javits Fellowship, US Department of Education: 1999-2003
C. Eugene Walker Outstanding Graduate Student Award: 2002
Human Factors and Ergonomics Society Student Member with Honors: 2000
Purdue University Special Initiatives Fellowship: 1999-2000
Phi Beta Kappa: Inducted 1999

HONORS AND AWARDS (continued)

Lucio Morales Academic Achievement Award: 1999
 Outstanding Graduating Senior in Psychology: 1998-1999
 Sally Casanova Pre-Doctoral Scholarship: 1998-1999
 NIMH-Careers Opportunities in Research (COR) Scholar: 1998-1999
 Phi Kappa Phi: Inducted 1998
 Phi Kappa Phi Scholarship: 1998
 Psi Chi: Inducted 1998
 Golden Key Honor Society: Inducted 1997

TEACHING EXPERIENCE**Undergraduate Courses:**

PSY 200 (lecture): Research Methods (Fall 2005; Spring 2006)
 PSY 200 (lab): Research Methods (Fall 2005; Spring 2006)
 PSY 327I: Introduction to Human Factors (Fall 2008)
 PSY 329B: Advanced Research in Mental Health II [Spring 2008, 2010 (with C.-A. Chun)]
 PSY 332: Cognition (Fall 2006, 2007, 2009; Spring 2009)
 PSY 390: Special Topics in Psychology (Fall 2005)
 PSY 403: Perception and Cognition (Fall 2004; Spring 2005)
 PSY 403L: Lab in Perception and Cognition (Fall 2004; Spring 2005)
 PSY 427 (dual listed with PSY 527): Human Factors (Fall 2005, 2006, 2007, 2008, 2009, 2010, 2011)
 PSY 499: Directed Research (Fall 2011)

Graduate Courses:

PSY 527 (dual listed with PSY 427): Human Factors (Fall 2005, 2006, 2007, 2008, 2009, 2010, 2011)
 PSY 637: Seminar in Cognition (Spring 2005)
 PSY 633: Seminar in Perception and Attention (Spring 2006, 2007, 2008, 2010)

Tutorial Co-Instructor:

Overview of Human Information Processing for Human-Computer Interaction. Human Computer Interaction International 2011 Conference (with R. W. Proctor). July 8-14, 2011. Orlando, FL.
Applying Cognitive Compatibility Principles to the Design of Computer Interfaces. Human Computer Interaction International 2011 Conference (with R. W. Proctor). July 8-14, 2011. Orlando, FL.
Human Information Processing for HCI. Human Computer Interaction International 2009 Conference (with R. W. Proctor). July 19-24, 2009. San Diego, CA.
Human Information Processing for HCI. Human Computer Interaction International 2007 Conference (with R. W. Proctor). July 22-27, 2007. Beijing, China.
An Overview of Human Information Processing for Human-Computer Interaction. Human Computer Interaction International 2005 Conference (with R. W. Proctor). July 22-27, 2005. Las Vegas, NV.
Human Factors Issues in Information Security. Human Computer Interaction International 2005 Conference (with R. W. Proctor). July 22-27, 2005. Las Vegas, NV.
Human Information Processing for HCI presented at the International Human Computer Interaction 2003 Meeting (with R. W. Proctor). June 22-28, 2003. Crete, Greece.
Human Factors Issues in Information Security presented at the International Human Computer Interaction 2003 Meeting (with E. Eugene Schultz and R. W. Proctor). June 22-28, 2003. Crete, Greece.

Interdisciplinary Teaching Activities:

- Presentation on Human Factors in Web Design to CECS 470: Web Development and Accessibility (Spring 2011).
- Developed PSY 327I: Introduction to Human Factors course (first offered in Fall 08).
- Students from PSY 427/527: Human Factors, Fall 05, presented usability lab project to Professor Tom Jewett's CECS 470 - World-Wide Web Development course in Spring 06.

STUDENT ADVISING

August 2005-2007, 2009-2011: Faculty Advisor for **Human Factors and Ergonomics Society Student Chapter**

*Awarded: **Best Student Chapter** by the national society in 2006.

*Awarded: **Best Student Chapter, GOLD (highest) level** by the national society in 2007-2010.

AY 2005-2006: Faculty Co-Advisor for **PSI CHI**

Fall 2005; Sum 2006, 2007, 2008; Spring 2008: Faculty Co-Advisor for **COR (Career Opportunities in Research) Program**

THESIS CHAIRED

1. **Lisa Kenyon** (MS-Psychology, Human Factors, Summer 2011) *Effects of Positive Mood Induction on Operator Performance and Subjective Workload Levels for Compatible and Incompatible Display-Control Mappings*
2. **Beth Creekmur** (MA-Psychological Research, Spring 2011): *The Effect of Prior Practice on the SRC Effect in a Mixed Mapping Environment*
3. **Katsumi Minakata** (MS-Psychology, Human Factors, Spring 2011): *Can a Crossmodal-accessory Stimulus Elicit the Top-Bottom Prevalence Effect?*
4. **Audrey Rabas** (MA-Psychological Research, Summer 2009): *Effects of a Speed Stressor on Learning With Different S-R Mappings: Does a Learning Reversal Occur?*
5. **Fredrick Garcia** (MS-Psychology, Human Factors, Spring 2009): *Effects of Practice with Foot and Hand Operated Secondary Input Devices on Word Processing Task Performance*
6. **Deborah Nelson** (MS-Psychology, Human Factors, Spring 2009): *Use of Image-Based Mnemonic Techniques to Enhance the Memorability of User-Generated Passwords*
7. **Julie McMath** (MS-Psychology, Human Factors, Spring 2009): *A Comparison of Differences in the Hierarchical Placement of Radiographic Findings amongst Different Healthcare Specialists and an Analysis of its Effects on Proper Case Management and Referral Decisions*
8. **Jeff Wiebe** (MS-Psychology, Human Factors, Spring 2009): *Application of Population Stereotypes to Computerized Tasks*

RESEARCH INTERESTS

My research interests include basic and applied research on cognition and human performance. Specific areas of interest include:

- Action Selection and Stimulus-Response Compatibility
 - * Two-Dimensional Compatibility
 - * Mixing Tasks
 - * Modality Relationship Among Stimulus and Response Sets
 - * Psychophysiological Basis of Compatibility Effects
 - * Aging and Response-Selection
- Attention
- Human Factors and Human-Computer Interaction
 - * Web Design; Usability Testing
 - * Computer and Information Security and Privacy
 - * Metrics for Situation Awareness and Mental Workload

PUBLICATIONS

Books:

1. Vu, K.-P. L., & Proctor, R. W. (Eds.) (2011). *Handbook of human factors in web design* (2nd ed.). Boca Raton, CRC Press.
2. Proctor, R. W., & Vu, K.-P. L. (2006). *Stimulus-response compatibility principles: Data, theory, and application*. Boca Raton, CRC Press.
3. Proctor, R. W., & Vu, K.-P. L. (Eds.) (2005). *Handbook of human factors in web design*. Mahwah, NJ: Erlbaum.

Journal Publications:

1. Chiappe, D., Strybel, T. Z., & Vu, K.-P. L. (in press). Mechanisms for the acquisition of Situation Awareness in situated agents. *Theoretical Issues in Ergonomic Sciences*.
2. Vu, K.-P. L., & Proctor, R. W. (in press). Influence of bias on visuospatial and verbal compatibility effects in mixed mapping environments. *Attention, Perception & Psychophysics*.
3. Garcia, F. P., & Vu, K.-P. L. (2011). Effectiveness of hand- and foot-operated secondary input devices for word processing tasks before and after training. *Computers in Human Behavior*, 27, 285-295.
4. Koch, I., Schuch, S., Vu, K.-P. L., & Proctor, R. W. (2011). Response-repetition effects in task switching—Dissociating effects of anatomical and spatial response discriminability. *Acta Psychologica*, 136, 399–404.
5. Proctor, R. W., Nof, S. Y., Yih, Y., Salvendy, G., Balasubramanian, P., Busemeyer, J. R., Carayon, P., Chiu, C.-y., Farahmand, F., Gonzalez, C., Gore, J., Landry, S. J., Lehto, M., Rau, P.-L., Rouse, W., Tay, T., Vu, K.-P. L., & Woo, S. E. (2011). Understanding and improving cross-cultural decision making in design and use of digital media: A research agenda. *International Journal of Human-Computer Interaction*, 27, 2, 151 – 190.

6. Proctor, R. W., & Vu, K.-P. L. (2011). Complementary contributions of basic and applied research in human factors and ergonomics. *Theoretical Issues in Ergonomic Sciences*, *12*, 427-434.
7. Vu, K.-P. L. (2011). Unintentional and intentional learning of noncorresponding stimulus-response associations in the Simon task. *Acta Psychologica*, *136*, 217-224.
8. Nelson, D. L., & Vu, K.-P. L. (2010). Effectiveness of image-based mnemonic techniques for enhancing the memorability and security of user-generated passwords. *Computers in Human Behavior*, *26*, 705-710.
9. Proctor, R. W., & Vu, K.-P. L. (2010). Biological, ecological, and cultural contributions to display-control compatibility. *American Journal of Psychology*, *123*, 425-435.
10. Proctor, R. W., & Vu, K.-P. L. (2010). Cumulative knowledge and progress in human factors. In *Annual Review of Psychology*, *61*, 623-651.
11. Proctor, R. W., & Vu, K.-P. L. (2010). Stimulus-response compatibility for mixed mappings and tasks with unique responses. *Quarterly Journal of Experimental Psychology*, *63*, 320-340.
12. Vu, K.-P. L., Ngo, T. K., Minakata, K., & Proctor, R. W. (2010). Shared representations for physical locations and location words in bilinguals' primary language. *Memory & Cognition*, *38* (6), 713-722.
13. Vu, K.-P. L., Chambers, V., Creekmur, B., Cho, D., & Proctor, R. W. (2010). Influence of the Privacy Bird® user agent on user trust of different web sites. *Computers in Industry*, *61*, 4, 311-317.
14. Proctor, R. W., & Vu, K.-P. L. (2009). Determinants of the benefit for consistent spatial mappings in dual-task performance of three-choice tasks. *Attention, Perception & Psychophysics*, *71*, 1771-1781.
15. Proctor, R. W., & Vu, K.-P. L. (2009). Determinants of the benefit for consistent stimulus-response mappings in dual-task performance of four-choice tasks. *Attention, Perception & Psychophysics*, *71*, 734-756.
16. Proctor, R. W., Yamaguchi, M., Zhang, Y., & Vu, K.-P. L. (2009). Influence of Visual Stimulus Mode on Transfer of Acquired Spatial Associations. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *35*, 434-445.
17. Proctor, R. W., & Vu, K.-P. L. (2009). Task-defined associations are mode specific for selection of relevant dimension but mode independent for selection of location mapping. *Quarterly Journal of Experimental Psychology*, *62*, 370-391.
18. Melara, R. D., Wang, H., Vu, K.-P. L., & Proctor, R. W. (2008). Attentional origins of the Simon effect: Behavioral and electrophysiological evidence. *Brain Research*, *1215*, 147-159.
19. Pellicano, A., Vu, K.-P. L., Proctor, R. W., Nicoletti, R., & Umiltà C. (2008). Effects of stimulus-stimulus short-term memory associations in a Simon-like task. *European Journal of Cognitive Psychology*, *20*, 893-912.
20. Proctor, R. W., Ali, M. A., & Vu, K.-P. L. (2008). Examining usability of Web privacy policies. *International Journal of Human-Computer Interaction*, *24*, 307-328.

21. Proctor, R. W., Koch, I., Yamaguchi, M., & Vu, K.-P. L. (2008). Influence of display type and cue format on task-cuing effects: Dissociating switch-cost and right-left prevalence effects. *Memory & Cognition*, *36*, 998-1012.
22. Vu, K.-P. L., & Proctor, R. W. (2008). Age differences in response selection for pure and mixed stimulus-response mappings and tasks. *Acta Psychologica*, *129*, 49-60.
23. Proctor, R. W., & Vu, K.-P. L. (2007). A multimethod approach to examining usability of Web privacy policies and user agents for specifying privacy preferences. *Behavioral Research Methods*, *39*, 205-211.
24. Proctor, R. W., Yamaguchi, M., & Vu, K.-P. L. (2007). Transfer of noncorresponding spatial associations to the auditory Simon task. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *33*, 245-253.
25. Vu, K.-P. L. (2007). Influences on the Simon effect of prior practice with spatially incompatible mappings: Transfer within and between horizontal and vertical dimensions. *Memory & Cognition*, *35*, 1463-1471.
26. Vu, K.-P. L., Proctor, R. W., Bhargav-Spantzel, A., Tai, B.-K., Cook, J., Schultz, E. E. (2007). Improving password security and memorability to protect personal and organizational information. *International Journal of Human-Computer Studies*, *65*, 744-757.
27. Proctor, R. W., Koch, I., & Vu, K.-P. L. (2006). Effects of precuing horizontal and vertical dimensions on right-left prevalence. *Memory & Cognition*, *34*, 949-958.
28. Proctor, R. W., & Vu, K.-P. L. (2006). The cognitive revolution at age 50: Has the promise of the human information processing approach been fulfilled? *International Journal of Human-Computer Interaction*, *21*, 253-284.
29. Proctor, R. W., Vu, K.-P. L., & Pick, D. F. (2006). A deficit in effortful selection of cued responses for older adults. *Journal of Motor Behavior*, *38*, 265-284.
30. Rubichi, S., Vu, K.-P. L., Nicoletti, R., & Proctor, R. W. (2006). Spatial coding in two dimensions. *Psychonomic Bulletin & Review*, *13*, 201-216.
31. Vu, K.-P. L., & Proctor, R. W. (2006). Emergent perceptual features in the benefit of consistent stimulus-response mappings on dual-task performance. *Psychological Research*, *70*, 468-483.
32. Vu, K.-P. L., Strybel, T. Z., & Proctor, R. W. (2006). Effects of displacement magnitude and direction of auditory cues on auditory spatial facilitation. *Human Factors*, *48*, 587-599.
33. Proctor, R. W., Pick, D. F., Vu, K.-P. L., & Anderson, R. E. (2005). The enhanced Simon effect for older adults is reduced when the irrelevant location information is conveyed by an accessory stimulus. *Acta Psychologica*, *119*, 21-40.
34. Proctor, R. W., Vu, K.-P. L., & Pick, D. F. (2005). Aging and response selection in spatial choice tasks. *Human Factors*, *47*, 250-270.
35. Urcuioli, P., Vu, K.-P. L., & Proctor, R. W. (2005). A Simon effect in pigeons. *Journal of Experimental Psychology: General*, *134*, 93-107.

36. Vu, K.-P. L., Pellicano, A., & Proctor, R. W. (2005). No overall right-left prevalence for horizontal and vertical Simon effects. *Perception & Psychophysics*, *67*, 929-938.
37. Hommel, B., Proctor, R. W., & Vu, K.-P. L. (2004). A feature-integration account of sequential effects in the Simon task. *Psychological Research/Psychologische Forschung*, *68*, 1-17.
38. Vu, K.-P. L., & Proctor, R. W. (2004). Mixing compatible and incompatible mappings: Elimination, reduction, and enhancement of spatial compatibility effects. *Quarterly Journal of Experimental Psychology* *57A*, 539-556.
39. Proctor, R. W., Vu, K.-P. L., & Marble, J. G. (2003). Eliminating spatial compatibility effects for location-relevant trials by intermixing location-irrelevant trials. *Visual Cognition*, *10*, 15-50.
40. Proctor, R. W., Vu, K.-P. L., Najjar, L., Vaughan, M. W., & Salvendy, G. (2003). Content preparation and management for E-commerce Web sites. *Communications of the ACM*, *46* (12ve), 289-299.
41. Proctor, R. W., Vu, K.-P. L., Nicoletti, R. (2003). Does right-left prevalence occur for the Simon effect? *Perception & Psychophysics*, *65*, 1318-1329.
42. Vu, K.-P. L., & Proctor, R. W. (2003). Naïve and experienced judgments of stimulus-response compatibility: Implications for interface design. *Ergonomics*, *46*, 169-187.
43. Vu, K.-P. L., Proctor, R. W., & Urcuioli, P. (2003). Transfer effects of incompatible location-relevant mappings on a subsequent visual or auditory Simon task. *Memory & Cognition*, *31*, 1146-1152.
44. Proctor, R. W., Lien, M.-C., Vu, K.-P. L., Schultz, E. E., & Salvendy, G. (2002). Influence of restrictions on password generation and recall. *Behavior Research Methods, Instruments, and Computers*, *34*, 163-169.
45. Proctor, R. W., & Vu, K.-P. L. (2002). Mixing location irrelevant and relevant trials: Influence of stimulus mode on spatial compatibility effects. *Memory & Cognition*, *30*, 281-294.
46. Proctor, R. W., Vu, K.-P. L., Salvendy, G., Degan, H., Fang, X., Flach, J. M., Gott, S. P., Herrmann, D., Kromker, H., Lightner, N. J., Lubin, K., Najjar, L., Reeves, L., Rudorfer, A., Stanney, K., Stephanidis, C., Strybel, T., Vaughan, M., Wang, H., Weber, H., Yang, Y., & Zhu, W. (2002). Content preparation and management for web design: Eliciting, structuring, searching, and displaying information. *International Journal of Human-Computer Interaction*, *14*, 25-92.
47. Proctor, R. W., Wang, H., & Vu, K.-P. L. (2002). Influences of conceptual, physical, and structural similarity on stimulus-response compatibility. *Quarterly Journal of Experimental Psychology*, *55A*, 59-74.
48. Vu, K.-P. L., & Proctor, R. W. (2002). The prevalence effect in two-dimensional compatibility is a function of the relative salience of the dimensions. *Perception & Psychophysics*, *64*, 815-828.
49. Vu, K.-P. L., & Proctor, R. W. (2001). Determinants of right-left and top-bottom prevalence for two-dimensional spatial compatibility effects. *Journal of Experimental Psychology: Human Perception and Performance*, *27*, 813-828.

50. Proctor, R. W., Marble, J. G., & Vu, K.-P. L. (2000). Mixing incompatibly mapped location-relevant trials with location-irrelevant trials: Effects of stimulus mode on the Simon effect. *Psychological Research/ Psychologische Forschung*, *64*, 11-24.
51. Vu, K.-P. L., Hanley, G. L., Strybel, T. Z., & Proctor, R. W. (2000). Metacognitive processes in human-computer interaction: Self-assessments of knowledge as predictors of computer expertise. *International Journal of Human-Computer Interaction*, *12*, 43-71.
52. Vu, K.-P. L., Proctor, R. W., & Pick, D. F. (2000). Vertical versus horizontal compatibility: Left-right prevalence with bimanual keypresses. *Psychological Research/Psychologische Forschung*, *64*, 25-40.
53. Proctor, R. W., & Vu, K.-P. L. (1999). Index of Psychonomic norms. *Behavior Research Methods, Instruments, and Computers*, *31*, 659-667.

Refereed Book Chapters and Proceedings Papers

1. Proctor, R. W., & Vu, K.-P. L. (accepted for publication). Action selection. In A. F. Healy, & R. W. Proctor, (Eds.), *Experimental psychology*. Volume 4 of the *Handbook of psychology* (2nd ed.), Editor-in-Chief: I. B. Weiner. Hoboken, NJ: Wiley.
2. Billinghamurst, S. S, Morgan, C., Rorie, R. C., Kiken, A., Bacon, L. P., Vu, K.-P. L., Strybel, T. Z., & Battiste, V. (in press). Should Students Learn General Air Traffic Management Skills Before NextGen Tools? *Proceedings of the Human Factors and Ergonomics Society's Annual Meeting*.
3. Proctor, R. W., & Vu, K.-P. L. (in press). Selection and control of action. In G. Salvendy (Ed.) *Handbook of Human Factors and Ergonomics* (4th ed.). Hoboken, NJ: Wiley.
4. Proctor, R. W., & Vu, K.-P. L. (in press). Human information processing. In N. M. Seel (Ed.) *Encyclopedia of the Sciences of Learning*. Heidelberg/Berlin: Springer Verlag.
5. Proctor, R. W., & Vu, K.-P. L. (in press). Human information processing: An overview for human-computer interaction. In J. A. Jacko (Eds.), *The human-computer interaction handbook: Fundamentals, evolving technologies, and emerging applications* (3rd ed) (pp. 43-62). Boca Raton: CRC Press.
6. Proctor, R. W., Vu, K.-P. L., & Salvendy, G. (in press). Cross-Cultural Decision Making and Action: Issues, Challenges, and Prospects. In R.W. Proctor, S. Nof, & Y. Yih (Eds), *Cultural Factors in Systems Design: Decision Making and Action*. Boca Raton, CRC Press.
7. Vu, K.-P. L., Proctor, R. W., Garcia, F. P. (in press). Web design and evaluation. In G. Salvendy (Ed.) *Handbook of Human Factors and Ergonomics* (4th ed.). Hoboken, NJ: Wiley.
8. Vu, K.-P. L., Strybel, T. Z., Battiste, V., & Johnson, W. W. (in press). Factors influencing the decisions and actions of pilots and controllers in three plausible NextGen environments. In R.W. Proctor, S. Nof, & Y. Yih (Eds), *Cultural Factors in Systems Design: Decision Making and Action*. Boca Raton, CRC Press.
9. Bacon, L. P., Strybel, T. Z., Vu, K.-P. L., Kraut, J. M., Nguyen, J. H., Battiste, V. & Johnson, W. (2011). Situation awareness, workload, and performance in midterm Nextgen: Effect of variations in aircraft equipage levels between scenarios. *Proceedings of the 2011 International Symposium on Aviation Psychology* (pp. 32-37). Dayton, OH.

10. Bacon, L., P., & Vu, K.-P. L. (2011). Movement time for different input devices. In D. Harris (ed.): *Engineering Psychology and Cognitive Ergonomics, HCII 2011, Lecture Notes in Artificial Intelligence 6781*, 3-9.
11. Kiken, A., Rorie, R. C., Bacon, L. P., Billinghamurst, S., Kraut, J. M., Strybel, T. Z., Vu, K.-P. L., & Battiste, V. (2011). Effect of ATC training with NextGen tools and online situation awareness and workload probes on operator performance. In G. Salvendy and M.J. Smith (Eds.): *Human Interface, Part II, HCII 2011, Lecture Notes in Computer Science, 6772*, 483-492.
12. Kraut, J. M., Kiken, A., Billinghamurst, S., Morgan, C. A., Strybel, T. Z., Chiappe, D. L., & Vu, K.-P. L. (2011). Effects of data communications failure on air traffic controller sector management effectiveness, situation awareness, and workload. In G. Salvendy and M.J. Smith (Eds.): *Human Interface, Part II, HCII 2011, Lecture Notes in Computer Science, 6772*, 493-499.
13. Nguyen, J., Bacon, L. P., Rorie, R. C., Herron, M., Vu, K.-P. L., Strybel, T. Z., & Battiste, V. (2011). How data comm methods and multi-dimensional traffic displays influence pilot workload under trajectory based operations. In G. Salvendy and M.J. Smith (Eds.): *Human Interface, Part II, HCII 2011, Lecture Notes in Computer Science, 6772*, 507-515.
14. Nguyen, J. & Vu, K.-P. L. (2011). Does Privacy information influence users' online purchasing behavior? In M.J. Smith and G. Salvendy (Eds.): *Human Interface, Part I, HCII 2011, Lecture Notes in Computer Science, 6771*, 349–358.
15. Proctor, R. W. & Vu, K.-P. L. (2011). Designing Web sites and interfaces to optimize successful user interactions: Symposium overview. In G. Salvendy and M.J. Smith (Eds.): *Human Interface, Part II, HCII 2011, Lecture Notes in Computer Science, 6772*, 62–65.
16. Rorie, R. C., Kiken, A., Morgan, C., Billinghamurst, S., Morales, G., Monk, K., Vu, K.-P. L., Strybel, T. Z., & Battiste, V. (2011). A preliminary investigation of training order for introducing NextGen tools. In G. Salvendy and M.J. Smith (Eds.): *Human Interface, Part II, HCII 2011, Lecture Notes in Computer Science, 6772*, 526-533.
17. Strybel, T. Z., Vu, K.-P. L., Bacon, L. P., Billinghamurst, S. S., Rorie, R. C., Kraut, J. M., Morgan, C., Battiste, V., & Johnson, W. (2011). Situation awareness, workload, and performance in midterm NextGen: Effect of dynamic variations in aircraft equipage levels. *Proceedings of the 2011 International Symposium on Aviation Psychology* (pp. 118-123). Dayton, OH.
18. Vu, K.-P. L., Zhu, W., & Proctor, R. W. (2011). Evaluating Web Usability. In K.-P. L. Vu & R. W. Proctor (Eds), *Handbook of human factors in web design (2nd ed)* (pp. 439-460). Boca Raton, CRC Press.
19. Dao, A.-Q. V., Lachter, J., Battiste, V., Brandt, S. L., Vu, K.-P. L., Strybel, T. Z., Ho, N., Martin, P., & Johnson, W. W., (2010). Automated spacing support tools for interval management operations during continuous descent approaches. *Proceedings of the Human Factors and Ergonomics Society* (pp.21-25). San Francisco, CA.
20. Johnson, W., Ho, N. Battiste, V., Vu, K.P. L., Lachter, J., Ligda, S., Dao, A.-Q., & Martin, P. (2010). Management of continuous descent approach during interval management operation. *Proceedings of the 29th Digital Avionics Systems Conference* (pp. 4.D.4-1- 4.D.4-13). Salt Lake City, Utah: IEEE.

21. Ligda, S. V., Dao, A.-Q. V., Vu, K.-P. L., Strybel, T. Z., Battiste, V., & Johnson, W. W., (2010). Impact of conflict avoidance responsibility allocation on pilot workload in a distributed air traffic management system. *Proceedings of the Human Factors and Ergonomics Society* (pp. 55-59). San Francisco, CA.
22. Strybel, T.Z., Vu, K.-P. L., Bacon, L. P, Kraut, J., Minakata, K., Battiste, V. & Johnson, W. (2010). Diagnosticity of an online query technique for measuring pilot situation awareness in NextGen. *Proceedings of the 29th Digital Avionics Systems Conference* (pp. 4.B.1-1- 4.B.1-12). Salt Lake City, Utah: IEEE.
23. Vu, K.-P. L., & Strybel, T. Z., Kraut, J., Bacon, P., Nguyen, J., Minakata, K. Rottermann, A., Battiste, V., & Johnson, W. (2010). Pilot versus controller workload and situation awareness under three traffic management concepts. *Proceedings of the 29th Digital Avionics Systems Conference* (pp. 4.A.5-1 - 4.A.5-10). Salt Lake City, Utah: IEEE.
24. Proctor, R. W., & Vu, K.-P. L. (2010). Human factors and ergonomics. In H. Bidgoli (Ed.), *The Handbook of Technology Management* (pp. 1057-1067). New York: John Wiley.
25. Dao, A.-Q. V., Brandt, S. L., Battiste, V., Vu, K.-P. L., Strybel, T., & Johnson, W. (2009). The impact of automation assisted aircraft separation on situation awareness. In M. J. Smith and G. Salvendy (Eds.): *Human Interface, Part II, HCII 2009, Lecture Notes in Computer Science, 5618*, 738-747.
26. Garcia, F. P., & Vu, K.-P. L. (2009). Effects of practice with foot- and hand- operated secondary input devices on performance of a word processing task. In M. J. Smith and G. Salvendy (Eds.): *Human Interface, Part I, HCII 2009, Lecture Notes in Computer Science, 5617*, 505-514.
27. Nelson, D. & Vu, K.-P. L. (2009). How training users in the use of mnemonic techniques effects subsequent recall of either assigned or self-generated passwords. In M. J. Smith and G. Salvendy (Eds.): *Human Interface, Part I, HCII 2009, Lecture Notes in Computer Science, 5617*, 505-514.
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33. Vu, K.-P. L., Rabas, A., & Roberson, R. (2009). The effects of practice and speed stress on different stimulus-response mappings. *Human Interface, Part I, HCII 2009, Lecture Notes in Computer Science, 5617*, 709-717.

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37. Proctor, R. W., & Vu, K.-P. L. (2008). Human information processing: An overview for human-computer interaction. In A. Sears and J. A. Jacko (Eds.), *The Human-computer interaction handbook: Fundamentals, evolving technologies, and emerging applications (2nd ed)* (pp. 43-62). Boca Raton: CRC Press.
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39. Strybel, T. Z., Vu, K.-P. L., Kraft, J., & Minakata, K. (2008). Assessing the situation awareness of pilots engaged in self spacing. *Proceedings of the Human Factors and Ergonomics Society 52nd Annual Meeting* (pp. 11-15). New York, NY.
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41. Proctor, R. W., Vu, K.-P. L., & Ali, M. A. (2007). Usability of User Agents for Privacy-Preference Specification. In M. J. Smith & G. Salvendy (Eds), *Human Interface, Part II, HCII 2007, Lecture Notes in Computer Science 4558* (pp. 766–767). Berlin: Springer-Verlag.
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44. Vu, K.-P. L., Garcia, F. P., Nelson, D., Sulaitis, J., Creekmur, B., Chambers, V., & Proctor, R. W. (2007). Examining user privacy practices while shopping online: What are users looking for? In M. J. Smith & G. Salvendy (Eds), *Human Interface, Part II, HCII 2007, Lecture Notes in Computer Science 4558* (pp. 792–801). Berlin: Springer-Verlag.

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46. Strybel, T. Z., Canton, R., Battiste, V., Johnson, W., & Vu, K.-P. L. (2006). Recommendations for conducting real time human in the loop simulations over the internet. *Proceedings of Human Factors and Ergonomics Society 50th Annual Meeting* (pp. 146-150). San Francisco, CA: HFES.
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51. Proctor, R. W., & Vu, K.-P. L. (2006). Stimulus-response compatibility. In W. Karwowski (Ed.) *International Encyclopedia of Ergonomics and Human Factors (2nd ed.)* (pp. 941-945). Boca Raton, FL: CRC Press.
52. Vu, K.-P. L., Cook, J., Bhargav, A., & Proctor, R. W. (2006, April). Short-term and long-term retention of passwords generated by first-letter and entire-word mnemonic methods. *Proceedings of the 5th Annual Security Conference*. Published on CD-ROM.
53. Vu, K.-P. L. & Proctor, R. W. (2006). Human information processing and HCI. In W. Karwowski (Ed.) *International Encyclopedia of Ergonomics and Human Factors (2nd ed.)* (pp. 1130-1134). Boca Raton, FL: CRC Press.
54. Vu, K.-P. L. & Proctor, R. W. (2006). Web design and evaluation. In G. Salvendy (Ed.) *Handbook of Human Factors and Ergonomics (3rd ed.)* (pp. 1317-1343). Hoboken, NJ: Wiley.
55. Proctor, R. W., Tan, H. Z., Vu, K.-P. L., Gray, R., & Spence, C. (2005). Implications of compatibility and cuing effects for multimodal interfaces. In D. D. Schmorow (Ed.), *Foundations of augmented cognition* (pp. 3-12). Mahwah, NJ: Erlbaum.
56. Proctor, R. W., & Vu, K.-P. L. (2005). Roles of task-defined associations and reference frames in spatial stimulus-response compatibility. In A. Healy (Ed.) *Experimental cognitive psychology and its applications: Festschrift in honor of Lyle Bourne, Walter Kintsch, and Thomas Landauer* (pp. 141-153). Washington, DC: American Psychological Association.
57. Vu, K.-P. L. & Proctor, R. W. (2005). An overview of human factors in web and application design. *Proceedings of HCII 2005*. Electronic Version Published on CD ROM.

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60. Proctor, R. W., & Vu, K.-P. L. (2004). Historical overview of attention. In A. Johnson, & R. W. Proctor, *Attention: Theory and practice* (pp. 227-259). Thousand Oaks, CA: Sage.
61. Proctor, R. W., & Vu, K.-P. L. (2004). Human Factors and Ergonomics for the Internet. In H. Bidgoli (Ed.) *The Internet encyclopedia* (pp. 141-149). Hoboken, NJ: Wiley.
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63. Proctor, R. W., Capaldi, E. J., & Vu, K.-P. L. (2003). Experimental methods in psychology. In L. Nadel (Ed.) *Encyclopedia of cognitive science* (Volume 3, pp. 794-799). London: Nature Publishing Group.
64. Proctor, R. W., & Vu, K.-P. L. (2003). Action selection. In A. F. Healy, & R. W. Proctor, (Eds.), *Experimental psychology*. Volume 4 of the *Handbook of psychology* (pp. 293-316), Editor-in-Chief: I. B. Weiner. Hoboken, NJ: Wiley.
65. Proctor, R. W., & Vu, K.-P. L. (2003). Human information processing: An overview for human-computer interaction. In J. A. Jacko and A. Sears (Eds.), *The Human-computer interaction handbook: Fundamentals, evolving technologies, and emerging applications* (pp. 35-51). Mahwah, NJ: Erlbaum.
66. Vu, K.-P. L., Bhargav, A., & Proctor, R. W. (2003). Imposing password restrictions for multiple accounts: Impact on generation and recall of passwords. *Proceedings of the 47th Annual Meeting of the Human Factors and Ergonomics Society* (pp. 1331-1335). Santa Monica, CA: HFES.
67. Proctor, R. W., & Vu, K.-P. L. (2002). Eliminating, magnifying, and reversing spatial compatibility effects with mixed location-relevant and irrelevant trials. In W. Prinz and B. Hommel (Eds.) *Common mechanisms in perception and action: Attention and performance Vol. XIX* (pp. 443-473). Oxford: Oxford University Press.
68. Vu, K.-P. L., & Proctor, R. W. (2001). Stimulus-response compatibility in interface design. In M. J. Smith, G. Salvendy, D. Harris, and R. J. Koubek (Eds.), *Usability evaluation and interface design: Cognitive engineering, intelligent agents, and virtual reality* (Vol. 1, pp. 1368-1372). Mahwah, NJ: Erlbaum.

Book Reviews and Commentaries:

1. Proctor, R. W., & Vu, K.-P. L. (2002). To infinity and beyond dissociation! A review of *Beyond dissociation: Interaction between dissociated implicit and explicit processing*. *Contemporary Psychology*, 47, 367-370.
2. Proctor, R. W., & Vu, K.-P. L. (2001). Oh, so many words! A review of *An Invitation to Cognitive Science Volume 4: Methods, Models, and Conceptual Issues*. *Contemporary Psychology*, 46, 168-171.

3. Proctor, R. W., & Vu, K.-P. L. (2001). TEC: Integrated View of Perception and Action or Framework for Response Selection? *Behavioral and Brain Sciences*, 24, 899-900.

INVITED PRESENTATIONS

1. Proctor, R. W, Vu, K.-P., Yamaguchi, M., Strybel, T. Z., & Battiste, V. (2011, August). Specificity of transfer in basic and applied tasks. In A. F. Healy (chair), Symposium: Applications of research in cognitive psychology to training in the real world. Paper presented at the 119th Annual Meeting of the American Psychological Association. Washington, DC.
2. Vu, K. P. L. (2011, February). Pilot and Controller Workload and Situation Awareness in Trajectory Oriented Operations Around Weather. *Sixth California State University Long Beach Student Chapter Regional Human Factors Conference*. Long Beach, CA.
3. Vu, K. P. L. (2010, August). Things That Go Together: An Overview of Recent Advances in Stimulus-Response Compatibility. *Division 21: Early Career Award Address; Annual Meeting of the American Psychological Association*. San Diego, CA.
4. Vu, K.-P. L, Strybel, T. Z., Battiste, V., & Johnson, W. (2010, April). Factors Influencing the Decisions and Actions of Pilots and Air Traffic Controllers in NextGen Environments. *Frontiers in Industrial Engineering: Cultural Factors in Decision Making and Action Symposium*. West Lafayette, IN.
5. Vu, K.-P. L. (2009, March). Memory: An Old Tool in a New World of Computer Passwords. *CSULB Faculty Supper Club*. Long Beach, CA.
6. Vu, K.-P. L. (2008, October). Influence of Practiced Spatial Mappings on Simon Effect. *Responding toward the source of stimulation: An interdisciplinary conference in tribute to J. Richard Simon*. Iowa City, Iowa. October 2008.
7. Vu, K.-P. L. (2008, March). Users' Attitudes Toward Web Privacy Policies and Their Online Behaviors. *Third California State University Long Beach Student Chapter Regional Human Factors Conference*. Long Beach, CA.

CONFERENCE PRESENTATIONS

Paper Presentations:

1. Bacon, P. & Vu, K.-P. L. (July, 2011). Movement time for different input devices. To be presented at *Human-Computer Interaction International (HCII) 2011*. Orlando, FL.
2. Kiken, A., Bacon, P., Billinghamurst, S., Kraut, J., Strybel, T. Z., Vu, K.-P. L., & Battiste, V. (July, 2011). Effect of ATC training with NextGen tools and online situation awareness and workload probes on operator performance. To be presented at *Human-Computer Interaction International (HCII) 2011*. Orlando, FL.
3. Kraut, J., Kiken, A., Billinghamurst, S., Morgan, C., Strybel, T. Z., Chiappe, D. L., & Vu, K.-P. L. (July, 2011). Effects of data communications failure on air traffic controller sector management effectiveness,

situation awareness, and workload. To be presented at *Human-Computer Interaction International (HCII) 2011. Orlando, FL.*

4. Nguyen, J., Bacon, P., Herron, M., Vu, K.-P. L., Strybel, T. Z., & Battiste, V. (July, 2011). How data comm methods and multi-dimensional traffic displays influence pilot workload under trajectory based operations. To be presented at *Human-Computer Interaction International (HCII) 2011. Orlando, FL.*
5. Nguyen, J. & Vu, K.-P. L. (July, 2011). Does Privacy Information Influence Users' Online Purchasing Behavior? To be presented at *Human-Computer Interaction International (HCII) 2011. Orlando, FL.*
6. Proctor, R. W. & Vu, K.-P. L. (July, 2011). Designing Web sites and interfaces to optimize successful user interactions: Symposium overview. To be presented at *Human-Computer Interaction International (HCII) 2011. Orlando, FL.*
7. Rorie, R. C., Kiken, A., Morgan, C., Billingham, S., Morales, G., Monk, K., Vu, K.-P. L., Strybel, T. Z., & Battiste, V. (July, 2011). A preliminary investigation of training order for introducing NextGen tools. To be presented at *Human-Computer Interaction International (HCII) 2011. Orlando, FL.*
8. Strybel, T.Z., Vu, K.-P. L., Bacon, L. P, Kraut, J., Minakata, K., Battiste, V. & Johnson, W. (2010, October). Diagnosticity of an Online Query Technique for Measuring Pilot Situation Awareness in NextGen. *29th Digital Avionics Systems Conference*. Salt Lake City, UT.
9. Vu, K.-P. L., Strybel, T. Z., Kraut, J., Bacon, L. P., Minakata, K., Nguyen, J., Rotterman, A., Battiste, V. & Johnson, W. (2010, October). Pilot and Controller Workload and Situation Awareness Under Three Traffic Management Concepts. *29th Digital Avionics Systems Conference*, Salt Lake City, UT.
10. Ligda, S., Dao, A.V., Vu, K.-P. L., Strybel, T. Z., Battiste, V., & Johnson, W.W. (2010, September). Impact of Conflict Avoidance Responsibility Allocation on Pilot Workload in a Distributed Air Traffic Management System. *54th Meeting of the Human Factors and Ergonomics Society*. San Francisco, CA.
11. Dao, A.-Q. V., Lachter, J., Battiste, V., Brandt, S. L., Vu, K.-P. L., Strybel, T. Z., Ho, N., Martin, P., & Johnson, W. W. (2010, September). Automated Spacing Support Tools for Interval Management Operations during Continuous Descent Approaches. *54th Meeting of the Human Factors and Ergonomics Society*. San Francisco, CA.
12. Nelson, D. L., & Vu, K.-P. L. (2009, October). Use of image-based mnemonic techniques to enhance the memorability of user-generated passwords. *Human Factors and Ergonomics Society Annual Meeting*. San Antonio, TX.
13. Dao, A.-Q. V., Brandt, S. L., Battiste, V., Vu, K.-P. L., Strybel, T., & Johnson, W. (2009). The impact of automation assisted aircraft separation on situation awareness. *Human-Computer Interaction International 2009*. San Diego, CA.
14. Garcia, F. P., & Vu, K.-P. L., (2009, July). Effects of practice with foot- and hand- operated secondary input devices on performance of a word processing task. *Human-Computer Interaction International 2009*. San Diego, CA.
15. Nelson, D. & Vu, K.-P. L. (2009, July). How Training Users in the Use of Mnemonic Techniques Effects Subsequent Recall of Either Assigned or Self-generated Passwords. *Human-Computer Interaction International 2009*. San Diego, CA.

16. Rottermann, A., & Vu, K.-P. L. (2009, July). Reversing the Simon effect with Prior Practice of Noncorresponding location words. *Human-Computer Interaction International 2009*. San Diego, CA.
17. Strybel, T. Z., Minakata, K., Nguyen, J., Pierce, R. & Vu, K.-P. L. (2009, July). Optimizing online situation awareness probes in air traffic management tasks. *Human-Computer Interaction International 2009*. San Diego, CA.
18. Wiebe, J., & Vu, K.-P. L. (2009, July). Application of population stereotypes to computerized tasks. *Human-Computer Interaction International 2009*. San Diego, CA.
19. Vu, K.-P. L., Rabas, A., & Roberson, R. (2009, July). The effects of practice and speed stress on different stimulus-response mappings. *Human-Computer Interaction International 2009*. San Diego, CA.
20. Vu, K.-P. L., Minakata, K., Nguyen, J., Kraut, J., Raza, H., Strybel, T. Z. & Battiste, V. (2009). Situation awareness and performance of students versus experienced air traffic controllers. *Human-Computer Interaction International 2009*. San Diego, CA.
21. Vu, K.-P. L. (2008, October). Influence of practiced stimulus-response mappings on the Simon effect. Invited talk given at *Responding toward the source of stimulation: An interdisciplinary conference in tribute to J. Richard Simon*. Iowa City, Iowa.
22. Strybel, T. Z., Kraft, J., & Vu, K.-P.L. (2008, September). Assessing the situation awareness of pilots engaged in self spacing. *52nd Human Factors and Ergonomics Society Annual Meeting*. New York, NY.
23. Pierce, R., Vu, K.-P. L., & Strybel, T. (2008, September). The relationship between SPAM, workload, and task performance on a simulated ATC task. *52nd Human Factors and Ergonomics Society Annual Meeting*. New York, NY.
24. Pierce, R., Strybel, T., & Vu, K.-P. L. (2008, September). A comparison of the validity of situation awareness measures in a simulated air traffic control task. *International Council of the Aeronautical Sciences (ICAS) 2008 Congress*. Anchorage, AS.
25. Vu, K.-P. L., Proctor, R. W., & O'Brien, D. (2008, July). Influence of password updating on generation and retention of passwords. *Applied Human Factors and Ergonomics 2nd International Conference*. Las Vegas, NV.
26. Chambers, V., Vu, K.-P. L., Proctor, R. W., Cho, D., & Creekmur, B. (2007, November). Influence of the Privacy BirdTM User Agent on User Trust of Different Web Sites. *37th Annual Meeting of the Society for Computers in Psychology*. Long Beach, CA.
27. Proctor, R. W., Vu, K.-P. L., & Ali, M. A. (2007, July). Usability of User Agents for Privacy-Preference Specification. *Human Computer Interaction International 2007 Conference*. Beijing, China.
28. Strybel, T. Z., Vu, K.-P. L., Dwyer, J. P., Kraft, J., Ngo, T. K., Chambers, V., & Garcia, F. P. (2007, July). Predicting perceived situation awareness of low altitude aircraft in terminal airspace using probe questions. *Human Computer Interaction International 2007 Conference*. Beijing, China.
29. Vu, K.-P. L., Chambers, V., Garcia, F. P., Creekmur, B., Sulaitis, J., Nelson, D., Pierce, R., & Proctor, R. W. (2007, July). How users read and comprehend privacy policies. *Human Computer Interaction*

International 2007 Conference. Beijing, China.

30. Vu, K.-P. L., Garcia, F. P., Nelson, D., Sulaitis, J., Creekmur, B., Chambers, V., McMath, J., & Proctor, R. W. (2007, July). Examining user privacy practices while shopping online: What are users looking for? *Human Computer Interaction International 2007 Conference*. Beijing, China.
31. Proctor, R. W., Zhang, Y., Yamaguchi, M., & Vu, K.-P. L. (2007, April). Modulation of the Simon effect by learned incompatible S-R associations. *Cardiff Meeting of the Experimental Psychology Society and the Belgian Association for Psychological Science*. Cardiff, Wales, UK.
32. Proctor, R. W., Vu, K.-P. L., & Yamaguchi, M. (2006, November). Transfer of noncorresponding spatial mappings to the auditory Simon task. *47th Annual Meeting of the Psychonomics Society*. Houston, TX.
33. Vu, K.-P. L. (2006, November). Influence of practice with incompatible mappings on the Simon effect. *47th Annual Meeting of the Psychonomics Society*. Houston, TX.
34. Proctor, R. W., & Vu, K.-P. L. (2006, November). Qualitative and quantitative analyses of Web privacy policies and preferences. *36th Annual Meeting of the Society for Computers in Psychology*. Houston, TX.
35. Vu, K.-P. L., Chambers, V., Derby, P., Erselius, K., Gracia, F., Kraft, J., Marquez, P., McMath, J., Nelson, D., Ngo, T., Pekarek, C. & Wiebe, J. (2006, November). Combining teaching, learning, and service: Teaching usability evaluation methods using a department Web site. *36th Annual Meeting of the Society for Computers in Psychology*. Houston, TX.
36. Dwyer, J. P., Strybel, T. Z., & Vu, K.-P. L. (2006, October). Simulation of Multiple Uninhabited Aerial Vehicles Operating in an Airport Terminal Area. Paper presented at the *RTO HFM Symposium on "Human Factors of Uninhabited Military Vehicles as Force Multipliers."* Biarritz, France.
37. Strybel, T. Z., Canton, R., Battiste, V., Johnson, W., & Vu, K.-P. L. (2006, October). Recommendations for conducting real time human in the loop simulations over the internet. *Human Factors and Ergonomics Society 50th Annual Meeting*. San Francisco, CA.
38. Vu, K.-P. L., Dion, M., Chambers, V., Ngo, T., Nelson, D., Kraft, J., & Strybel, T. Z. (2006, October). Pilot strategies for managing multiple ROVs in terminal airspace. *Human Factors and Ergonomics Society 50th Annual Meeting*. San Francisco, CA.
39. Vu, K.-P. L., Cook, J., Bhargav, A., & Proctor, R. W. (2006, April). Short-term and long-term retention of passwords generated by first-letter and entire-word mnemonic methods. *The 5th Annual Security Conference*. Las Vegas, NV.
40. Proctor, R. W., Tan, H. Z., Vu, K.-P. L., Gray, R., & Spence, C. (2005, July). Implications of compatibility and cuing effects for multimodal interfaces. *11th International Conference of Human Computer Interaction (HCI2005)*. Las Vegas, NV.
41. Vu, K.-P. L., Tai, B.-L., Bhargav, A., Schultz, E. E., & Proctor, R. W. (2004, September). Promoting Memorability and Security of Passwords Through Sentence Generation. *Human Factors and Ergonomics Society 48th Annual Meeting*. New Orleans, LA.

42. Proctor, R. W., & Vu, K.-P. L. (2004, February). Consistent stimulus-response mappings for dual tasks do not always yield better performance than inconsistent mappings. Conference on *Process-based and code-based interference in dual tasks*. Ohlstadt, Germany
43. Vu, K.-P. L., Bhargav, A., & Proctor, R. W. (2003, October). Imposing password restrictions for multiple accounts: Impact on generation and recall of passwords. *Human Factors and Ergonomics Society 47th Annual Meeting*. Denver, CO.
44. Proctor, R. W., & Vu, K.-P. L. (2003, June). Stimulus-response compatibility and aging: Implications for web design. Workshop on Web and Aging. *10th International Conference of Human Computer Interaction (HCII2003)*. Crete, Greece.
45. Proctor, R. W., & Vu, K.-P. L. (2002, August). Violations of the spatial compatibility principle: Theoretical and applied implications. *110th Annual APA Convention*. Chicago, IL.
46. Proctor, R. W., & Vu, K.-P. L. (2002, May). Altering spatial compatibility effects by mixing tasks with multiple S-R mappings. *ONR Workshop: Attention, Perception, and Data Visualization*. Fairfax, VA.
47. Vu, K.-P. L., & Proctor, R. W. (2002, April). Two-dimensional stimulus-response compatibility effects: Manipulating the salience of stimulus and response sets. *2002 Convention of the Western Psychological Association*. Irvine, CA.
48. Proctor, R. W., Lien, M.-C., Vu, K.-P. L., Schultz, E. E., & Salvendy, G. (2001, November). Influence of restrictions on password generation and recall. *31st Annual Meeting of the Society for Computers in Psychology*. Orlando, FL.
49. Vu, K.-P. L., & Proctor, R. W. (2001, August). Stimulus-response compatibility in interface design. *9th International Conference of Human Computer Interaction (HCII2001)*. New Orleans, LA.
50. Vu, K.-P. L., & Proctor, R. W. (2000, November). The role of salience in two-dimensional spatial compatibility. *Psychonomic Society 41th Annual Meeting*. New Orleans, LA.
51. Proctor, R. W., & Vu, K.-P. L. (2000, July). Eliminating, magnifying, and reversing spatial compatibility effects with mixed location-relevant and irrelevant trials. *Attention and Performance XIX*. Kloster Irsee, Germany.
52. Vu, K.-P. L., Proctor, R. W., & Pick, D. F. (1999, June). Vertical versus horizontal compatibility: left-right prevalence. *North American Society for Psychology of Sport and Physical Activity 1999 Conference*. Clearwater Beach, FL.
53. Vu, K.-P. L., & Strybel, T. Z. (1999, May). Effects of auditory cue errors on auditory spatial facilitation. *1999 Convention of the Western Psychological Association*. Irvine, CA.

Poster Presentations:

1. Gossage, L., Marayong, P., Strybel, T., & Vu, K.-P. L. (2011, June). Reaching for the stars: An effective women-in-engineering outreach collaborative involving the Colleges of Engineering and Liberal Arts. *2011 Women in Engineering ProActive Network Annual Meeting*. Seattle, WA.

2. Monk, K., Nguyen, K., Johnson, E., Strybel, T. Z., Vu, K.-P. L., Chiappe, D. (2011, April). Pilot workload and situation awareness under three concepts of operation for future air-traffic separation assurance. *Western Psychological Association 91st Annual Convention*. Los Angeles, CA.
3. Morales, G., O'Connor, R., Walker, J., Strybel, T. Z., Vu, K.-P. L., Chiappe, D. (2011, April). Assessing pilot situation awareness of traffic conflicts, commands and communications, and flight status using an online probe technique. *Western Psychological Association 91st Annual Convention*. Los Angeles, CA.
4. Rotterman, A., Vu, K.-P. L., & Proctor, R. W. (2009, November). Effects of practice with noncorresponding spatial locations on the Simon task. *50th Annual Meeting of the Psychonomics Society*. Chicago, IL.
5. Vu, K.-P. L., Proctor, R. W., Ngo, T. K., & Minakata, K. (2008, November). Shared verbospatial and visuospatial representations for bilinguals' primary language. *49th Annual Meeting of the Psychonomics Society*. Chicago, IL.
6. Vu, K.-P. L. & Proctor, R. W. (2007, November). Dual-task performance with consistent and inconsistent stimulus-response mappings. *48th Annual Meeting of the Psychonomics Society*. Long Beach, CA.
7. Strybel, T. Z., Vu, K.-P. L., Battiste, V., & Johnson, W. W. (2007, November). Conducting distributed simulations over the Internet. *37th Annual Meeting of the Society for Computers in Psychology*. Long Beach, CA.
8. Proctor, R. W., Ali, M. A., & Vu, K.-P. L. (2006, July). Information requested by Web sites and users' comprehension of privacy policies. *The 2006 Symposium on Usable Privacy and Security*. Pittsburg, PA.
9. Proctor, R. W., Ali, M. A., & Vu, K.-P. L. (2006, March). Examining the usability of Web privacy policies. *7th Annual CERIAS Information Security Symposium*. West Lafayette, IN.
10. Vu, K.-P. L., & Proctor, R. W. (2005, November). The role of perceptual emergent features in dual-task performance. *Psychonomic Society 46th Annual Meeting*. Toronto, Canada.
11. Pellicano, A., Vu, K.-P. L., Proctor, R. W., Nicoletti, R., & Umiltà, C. (2005, September). Simon-like effect based on stimulus-response short-term memory associations. *XIV Conference of the European Society for Cognitive Psychology*. Leiden, The Netherlands.
12. Vu, K.-P. L., & Proctor, R. W. (2005, May). Age differences in response selection for pure and mixed tasks. *2005 APS Annual Convention*. Los Angeles, CA.
13. Ali, M. A., Vu, K.-P. L., & Proctor, R. W. (2005, March). An analysis of privacy and security information provided and elicited by different types of Web sites. *6th Annual CERIAS Research Symposium*. West Lafayette, IN.
14. Vu, K.-P. L., Proctor, R. W., & Pick, D. F. (2004, November). Response preparation in younger and older adults. *Psychonomic Society 45th Annual Meeting*. Minneapolis, MN.
15. Pellicano, A., Vu, K.-P. L., Proctor, R. W., Nicoletti, R., & Umiltà, C. (2004, May). Simon effect as a function of stimulus-stimulus short-term memory links. *16th Annual Convention of the American Psychological Society*. Chicago, IL.

16. Anderson, R. E., Vu, K.-P. L., Pick, D. F., & Proctor, R. W. (2004, April 5). Effects of irrelevant location information on performance of older and younger adults. Symposium on *Early Origins of Adult Health: Biological Processes*. West Lafayette, IN.
17. Tai, B.-L., Vu, K.-P. L., Bhargav, A., Schultz, E. E., & Proctor, R. W. (2004, March). Promoting memorability and security of passwords through sentence generation. *5th Annual CERIAS Research Symposium*, West Lafayette, IN.
18. Bhargav, A., Vu, K.-P. L., & Proctor, R. W. (2003, April). Imposing password restrictions for multiple accounts: Impact on generation and recall of passwords. *4th Annual CERIAS Research Symposium*, West Lafayette, IN.
19. Proctor, R. W., Vu, K.-P. L., & Nicoletti, R. (2002, November). A prevalence effect for two-dimensional stimulus-response sets when location is irrelevant. *43rd Annual Meeting of the Psychonomic Society*, Kansas City, MO.
20. Vu, K.-P. L., & Proctor, R. W. (2001, November). Elimination and enhancement of spatial compatibility effects with mixed mappings. *Psychonomic Society 42nd Annual Meeting*. Orlando, FL.
21. Vu, K.-P. L., & Proctor, R. W. (2001, June). The prevalence effect in two-dimensional compatibility is a function of the relative salience of the dimensions. *13th Annual Convention of the American Psychological Society*. Toronto, Ontario.
22. Strybel, T. Z., Vu, K.-P. L., & Castagna-Osorio, J. (2000, July). Auditory spatial cueing of visual search in the presence of noise. *Human Factors and Ergonomics Society/International Ergonomics Association 2000 Conference*. San Diego, CA.
23. Blaga, O. M., Vu, K.-P. L., & Strybel, T. Z. (1999, November). Auditory apparent motion between the components of complex tone sequences. *Psychonomic Society 40th Annual Meeting*. Los Angeles, CA.
24. Vu, K.-P. L., Hanley, G. L., Strybel, T. Z., & Boucher, J. M. (1999, May). Assessing expertise for usability testing. *1999 Convention of the Western Psychological Association*. Irvine, CA.

WORK FEATURED IN NEWSLETTERS AND THE MEDIA

1. Gloady, R. (2009). Cal State Long Beach Receives \$5 Million NASA Grant to Establish Center for Human Factors in Advanced Aeronautics Technologies. *This Week @ the Beach*. October 5, 2009.
2. Schroeder, S. (2009). Up, Up and Away. *CSULB Foundation Annual Report 07-08*.
3. Strokes, T. (2008). Multiple passwords adding to our stress load. *TimesDaily*. April 13, 2008.
4. Diamantides, N. (2007). CSULB study to test feasibility of airports handling three times as many flights. *Long Beach Business Journal*. March 13-26, 2007.
5. Schroeder, S. (2007). \$3 million NASA award given to study air traffic. *Inside CSULB*. February 2007.
6. Anderson, J. (2006). Remembering – An old new weapon in the fight against hackers. *ErgonomicsReport*. Available online at ErgonomicsReport.com. May 9, 2006.

7. Manly, R. (2006). Password security is her game. *Inside CSULB*. May 2006. Available online: <http://www.csulb.edu/misc/inside/archives/v58n5/imgs/v58n5.pdf>.

GRANTS AND CONTRACTS:

Current Support

NASA: UNIVERSITY RESEARCH CENTER Strybel (PI)
 Title: Center for Human Factors In Advanced Aeronautics Technologies
 Role: Co-Investigator
 Amount of Total Award: \$4,999,997
 Period of Award: 10/01/09-9/30-2014

Completed Support

NASA: Summer 2011 Minority Student Education Forum Gossage (PI)
 Title: NASA Learning Experience for Elementary School Girls
 Role: Co-Investigator
 Amount of Total Award: \$45,210
 Period of Award: 04/29/11-08/26/11

NORTHROP GRUMMAN Vu (PI)
 Title: Improving Pilot Proficiency with Training (II)
 Role: Principal Investigator
 Amount of Total Award: \$30,000
 Period of Award: 02/01/10-8/31/11

NASA: NGATS ATM: Airspace Project Strybel (PI)
 Title: Metrics for Operator Situation Awareness, Workload, and Performance in Automated Separation Assurance
 Role: Co-Investigator
 Amount of Total Award: \$3,000,000
 Period of Award: 10/01/06-1/31/11

NORTHROP GRUMMAN Vu (PI)
 Title: Improving Pilot Proficiency with Training (I)
 Role: Principal Investigator
 Amount of Total Award: \$18,706
 Period of Award: 09/01/10-12/31/10

NASA: MUREP Gossage (PI)
 Title: Learning Experience for Elementary School Girls
 Role: Co-Investigator
 Amount of Total Award: \$36,500
 Period of Award: 07/01/10-07/31/10

THE BOEING COMPANY Strybel (PI)
 Title: Joint Research and Development Award
 Role: Co-Investigator
 Amount of Total Award: \$163,000

Period of Award: 02/25/04-12/31/09

CSU OFFICE OF THE CHANCELLOR:

Vu (PI)

Academic Technology Services (ATS) Digital Marketplace Initiative

Title: Pilot and Formal User Testing of the CSU Office of the Chancellor's Digital Marketplace Web Site

Role: Principal Investigator

Amount of Total Award: \$26,000

Period of Award: 10/08-4/09

THE BOEING COMPANY

Vu (PI)

Title: CUDA-Boeing Future Cockpit Interface Design Project

Role: Principal Investigator

Amount of Total Award: \$10,000

Period of Award: 10/18/08-12/31/08

NSF CYBERTRUST GRANT

Bertino & Anton (PIs)

Title: Collaborative Research: A Comprehensive Policy- Drive Framework for Online Privacy Protection: Integrating IT, Human, Legal and Economic Perspectives.

Role: Senior Personnel/Consultant (Involved in the development of the proposal)

Amount of Total Award: \$666,000

Period of Award: 9/15/04-8/31/07

NIA: 1 R03 AG21741-01

Proctor (PI)

Title: Response Selection in Perceptual-Motor Tasks as a Function of Age

Role: Senior Personnel (Involved in the development of the proposal)

Amount of Total Award: \$75,000

Period of Award: 10/01/02-08/31/04

SYNERGISTIC ACTIVITIES

Associate Director:

Oct 2009-present: **Center for Human Factors in Advanced Aeronautics Technologies**, CSU Long Beach

June 2005-sept 2009: **Center for the Study of Advanced Aeronautic Technologies**, CSU Long Beach

December 2005-present: **Center for Usability in Design and Accessibility**, CSU Long Beach

Fall 2005: **Career Opportunities in Research**, CSU Long Beach

Associate Editor: *Behavior Research Methods* (2011-present)

Guest Editor: *International Journal of Human-Computer Interaction* (2012 special issue on Human Factors and HCI Considerations in NextGen)

Editorial Board Member: *American Journal of Psychology* (2009- present)
International Journal of Human-Computer Interaction (2005-present)

Ad Hoc Reviewer: *Acta Psychologica*
Applied Ergonomics
Attention, Perception & Psychophysics (formerly *Perception & Psychophysics*)
Behavior Research Methods
European Journal of Cognitive Psychology

Experimental Brain Research
Experimental Psychology
Human Factors
Journal of Experimental Psychology: Applied
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Human Perception and Performance
Journal of Experimental Psychology: Learning, Memory, and Cognition
Journal of Neuroscience Methods
Memory & Cognition
Quarterly Journal of Experimental Psychology
Perception
Psychological Research
Psychological Science
Psychonomic Bulletin & Review

External Reviewer: *National Science Foundation*
Human Factors and Ergonomics Society's 53rd Annual Meeting

Professional Societies: American Psychological Association: 2001-present
Association for Psychological Science: 2001-present
Human Factors and Ergonomics Society: 2000-present
Institute of Electrical and Electronics Engineers: 2010-present
Psychonomic Society: 2005-present
Society for Computers in Psychology: 2002-present
Steering Committee Member: 2007-2010
Western Psychological Association: 1999, 2001

HFES Student Affairs Committee: Member, 2011-present

Conference Organizer:

The Sixth Annual California State University Regional Human Factors Conference (Faculty Advisor for HFES-CSULB Student Chapter). Long Beach, CA. February 26, 2011.
The Fifth Annual California State University Regional Human Factors Conference (Faculty Advisor for HFES-CSULB Student Chapter). Long Beach, CA. February 27, 2010.
Society for Computer in Psychology 38th Annual Meeting (Program Chair). Chicago, IL. November, 2008.
Society for Computer in Psychology 37th Annual Meeting (Assistant Program Chair). Long Beach, CA. November 15, 2007.
The Second Annual California State University Regional Human Factors Conference (Faculty Advisor for HFES-CSULB Student Chapter). Long Beach, CA. February 24, 2007.
The Epistemology of Natural and Artificial Systems (assisted C. Wallis, with D. Chiappe and W. Wright). Long Beach, CA. February 23-25, 2006.
The First Annual California State University Regional Human Factors Conference (Faculty Advisor for HFES-CSULB Student Chapter). Long Beach, CA. February 18, 2006.
Hoosier Mental Life 2003 Conference (co-organizer with K. Sung and Z. Pizlo). West Lafayette, IN. March 28-29, 2003.
Society for Computer in Psychology 32nd Annual Meeting (Assistant Program Chair). Kansas City, MO. November 21, 2002.

Conference Program Boards:

Cognitive Ergonomics Program Board:

4th International Conference on Applied Human Factors and Ergonomics. San Francisco, CA. July 2012.

3rd International Conference on Applied Human Factors and Ergonomics. Miami, Florida, July 2010.

2nd International Conference on Applied Ergonomics. Las Vegas, Nevada, July 2008.

Information Security International Program Board:

Fourth International Symposium on Human Aspects of Information Security & Assurance. Elizabeth, South Africa.

Third International Conference on Human Aspects of Information Security. Athens, Greece. June, 2009.

Second International Conference on Human Aspects of Information Security. Plymouth, United Kingdom. July, 2008.

First International Conference on Human Aspects of Information Security. Plymouth, United Kingdom. June, 2007.

Human Interface and Management of Information Program Board:

14th International Conference on Human-Computer Interaction. Orlando, FL, July, 2011.

13th International Conference on Human-Computer Interaction. San Diego, California, July, 2009.

12th International Conference on Human-Computer Interaction. Beijing, China, July, 2007.

11th International Conference on Human-Computer Interaction. Las Vegas, Nevada, July, 2005.

Air Transportation Board:

1st International Conference on Human Factors in Transportation. San Francisco, CA. July 2012.

White Paper Co-Organizer (with R. W. Proctor and G. Salvendy): Full-day white paper session on *Content Preparation for the Web* at the International Human Computer Interaction 2001 Meeting. New Orleans, LA. August 5-10, 2001. Funded by Siemens AG.

Contributor to the **APA Dictionary of Psychology (2007)**: Attention and Psychophysics terms

President of Purdue University Student Chapter of the Human Factors and Ergonomics Society: June 1999 – May 2002

K-12 Outreach Activities:

NASA Learning Experiences for 5th Grade Girls- *July 18-21, 2011*

Eighth Grade Girls Summer Residential Internship- *June 19-25, 2011*

Human Factors Workshop: Women Engineers at the Beach – *March 18, 2011*

Human Factors Workshop: Women Engineers at the Beach – *October 22, 2010*

NASA Learning Experiences for 5th Grade Girls- *July 26-30, 2010*

Eighth Grade Girls Summer Residential Internship- *June 20-26, 2010*

Human Factors Workshop: Women Engineers at the Beach – *March 19, 2010*

Human Factors Workshop: Women Engineers at the Beach – *November 6, 2009*

UNIVERSITY SERVICE AND COMMITTEE WORK (since appointment at CSULB)

AY 2011-2012

Associate Director, Center for Human Factors in Advance Aeronautics Technologies

Associate Director, Center for Usability in Design and Accessibility

Member, College of Liberal Arts Retention, Tenure, and Promotion Committee
Member, Cognitive Sciences Group
Member, Department Advisory Committee
Member, MS Human Factors Program Committee
Member, Tomy Jung Scholarship Committee

AY 2010-2011

Associate Director, Center for Human Factors in Advance Aeronautics Technologies
Associate Director, Center for Usability in Design and Accessibility
Advisor, Human Factors and Ergonomics Society Student Organization
Chair, Human Factors and/or Perception Psychology Search Committee
Coordinator, PSY 100 Subject Pool (Alternate)
Member, Cognitive Sciences Group
Member, College of Liberal Arts Faculty Council
Member, Department Advisory Committee
Member, MS Human Factors Program Committee
Member, Tomy Jung Scholarship Committee
Member, Ad Hoc Committee on Psychology Department Honors Program
**Sabbatical Leave Spring 2011

AY 2009-2010

Associate Director, Center for Human Factors in Advance Aeronautics Technologies
Associate Director, Center for Usability in Design and Accessibility
Advisor, Human Factors and Ergonomics Society Student Organization
Coordinator, Psychology Web
Coordinator, PSY 100 Subject Pool (Alternate)
Member, Cognitive Sciences Group
Member, College of Liberal Arts Faculty Council
Member, Advisory Committee
Member, Department RTP Associate Committee
Member, MS Human Factors Program Committee
Member, Tomy Jung Scholarship Committee
Member, CLA Web Development Team
Judge, PsychDay Research Fair
Chair, Applied Experimental Psychology Search Committee (committee did not meet due to 09-10 hiring freeze)
Hospitality & Social Committee (committee did not meet due to 09-10 Furloughs)
Accessibility Committee (committee did not meet due to 09-10 Furloughs)

AY 2008-2009

Associate Director, Center for Usability in Design and Accessibility
Associate Director, Center for the Study of Advance Aeronautic Technologies
Chair, MS Human Factors Program Committee
Chair, Applied Experimental Psychology Search Committee
Coordinator, PSY 100 Subject Pool
Member, Advisory Committee
Member, College of Liberal Arts Technology Committee
Member, Web Committee
Member, Cognitive Sciences Group
Member, Tomy Jung Scholarship Committee
Member, Psychology Dept Ad Hoc Accessibility Education Committee

AY 2007-2008

Associate Director, Center for Usability in Design and Accessibility
Associate Director, Center for the Study of Advance Aeronautic Technologies
Coordinator, PSY 100 Subject Pool
Course Coordinator, PSY 332: Cognition
Member, MS Human Factors Program Committee
Member, College of Liberal Arts Technology Committee
Member, Cognitive Neuroscience Search Committee
Member, Human Ethics Committee
Member, Tomy Jung Scholarship Committee
Member, Web Committee
Member, Center for Cognitive Sciences
Judge, PsychDay Research Fair

AY 2006-2007

Associate Director, Center for Usability in Design and Accessibility
Associate Director, Center for the Study of Advance Aeronautic Technologies
Advisor, Human Factors and Ergonomics Society Student Organization
Chair, MS Human Factors Program Committee
Member, Psychology Department Chair Search Committee
Member, College of Liberal Arts Technology Committee
Member, Web Committee
Member, Center for Cognitive Sciences
Member, Tomy Jung Scholarship Committee

AY 2005-2006

Associate Director, Center for Usability in Design and Accessibility
Associate Director, Center for the Study of Advance Aeronautic Technologies
Advisor, Human Factors and Ergonomics Society Student Organization
Advisor, Psi Chi Student Organization
Member, MS Human Factors Program Committee
Member, Human Ethics Committee
Member, Web Committee
Member, Center for Cognitive Sciences
Member, Tomy Jung Scholarship Committee