

11/5/2019

## CURRICULUM VITA

### Weimin Mou

Department of Psychology  
University of Alberta  
Biological Sciences Building P217  
Edmonton, Alberta T6G 2E9

Tel: (780)492-3601 (office)  
Fax: (780)492-1768  
Email: [wmou@ualberta.ca](mailto:wmou@ualberta.ca)

### Education

Chinese Academy of Sciences, Ph.D., 1999, Psychology  
Zhejiang University (former Hangzhou University), China, BS, 1995, Psychology

### Professional Experiences

2015- Professor, University of Alberta  
2011- 2015 Associate Professor, University of Alberta  
2007-2011 Assistant Professor, University of Alberta  
2003-2007 Professor, Institute of Psychology, Chinese Academy of Sciences  
2001-2003 Visiting Research Associate, M.I.N.D Lab, Michigan State University  
1999-2001 Postdoctoral Research Associate, Department of Psychology, Vanderbilt University  
1999 Assistant Professor, Institute of Psychology, Chinese Academy of Sciences

### Honors and Awards

2002 Selected into "One-Hundred-Talent Plan" of the Chinese Academy of Sciences

### Major Grants

Inertial cues, landmarks, and geometrical cues in spatial memory and navigation (PI), NSERC, \$120,000 CAD, 2015-2020  
Human Spatial Memory (PI), NSERC, \$135,000 CAD, 2010-2015  
Spatial Cognition in Virtual Environments (PI), CFI Infrastructure operation fund, \$31,993 CAD, 2009-2014  
Spatial Cognition in Virtual Environments (PI), CFI, \$127,972 CAD, 2008-2011 Human Spatial Memory and Navigation (PI), NSERC, \$77,455 CAD, 2008-2013 (terminated early in 2010 to apply for the NSERC accelerate supplement grant)  
Human Spatial Cognition (PI), Faculty of Arts Start-up funding, University of Alberta, \$250,000 CAD, 2007-2013  
Human Spatial Memory and Reorientation (PI), Chinese Natural Science Foundation Committee, 300,000 RMB, 2008-2010  
Human Mental Representation of Spatial Relations (PI), Chinese Natural Science Foundation Committee, 220,000 RMB, 2005-2007  
Human Spatial Cognition (PI), "One-Hundred-Talent Plan" Fellowship, Chinese Academy of Sciences, 2,000,000 RMB, 2003-2006

11/5/2019

## **Professional Activities**

### Editorial

2008- Consulting editor, Journal of Experimental Psychology: Learning, Memory, and Cognition

### Advisory Panel

2009 National Science Foundation (NSF) panelist

### Grant proposal Reviewer

Natural Sciences and Engineering Research Council (NSERC) of Canada

National Natural Science Foundation of China (NSFC)

National Science Foundation (NSF) of USA

### Journal Reviewer

Acta Psychologica; Animal Cognition; Applied Cognitive Psychology; Behavioural Brain Research; Behavior Process; Canadian Journal of Experimental Psychology; Cerebral Cortex; Cognition; Cognitive Psychology; Cognitive Processing; Cognitive Science; Ergonomics; Europe Journal of Cognitive Psychology; Experimental Brain Research; Experimental Psychology; Frontiers in Aging Neuroscience; Frontiers in Human Neuroscience; Human Brain Mapping; Journal of Experimental Child Psychology; Journal of Environmental Psychology; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Motor Behavior; Memory; Memory & Cognition; Perception; Perception and Psychophysics; PNAS; Psychonomic Bulletin & Review; Psychological Research; Quarterly Journal of Experimental Psychology; Scientific Report; Spatial Cognition and Computation; Visual Cognition

## **Administrative activities**

Undergraduate Curriculum Committee

Graduate Award Committee

Psychology Open House Committee

Cameron Library Representative

Faculty Evaluation Committee

Department Chair Selection Committee

## **Professional Affiliations**

Psychonomic Society (fellow)

CSBBCS (member)

## **Research Interests**

Human Spatial Cognition

## **Teaching Experience**

Cognitive Psychology

Human Spatial Cognition. Department Honor Roll (2009 winter, fall; 2010 Winter, fall; 2011, Fall; 2012, Winter). Department Honor Roll with distinction (2011, Winter).

Independent Study. Department Honor Roll with distinction (2010-2012).

## Students Supervised

### Graduate

Yafei Qi (2018-, University of Alberta)

Xuehui Lei (2015-, University of Alberta)

Yu Du (2013-2018, University of Alberta, Co-Supervised)

Immediate Placement: Postdoc fellow University of Arizona

Lin Wang (2012-2018, University of Alberta)

Immediate Placement: Postdoc fellow Johns Hopkins University

Lei Zhang (2012-2017, University of Alberta)

Ruojing Zhou (2016, University of Alberta)

Immediate Placement: Postdoc fellow University Magdeburg

Xiaou Li, Ph.D. (2009, Chinese Academy of Sciences).

Immediate Placement: Postdoc fellow University of Notre Dame

Now: WorldViz LLC

Hui Zhang, Ph.D. (2009, Chinese Academy of Sciences).

Immediate Placement: Postdoc fellow University of California at Davis

Now: Ruhr-Universität Bochum, Germany

Chengli Xiao, Ph.D. (2008, Chinese Academy of Sciences).

Immediate Placement: Assistant Professor Nanjing University China

Now: Associate Professor Nanjing University China

Xianyun Liu, Ph.D. (2008, Chinese Academy of Sciences).

Immediate Placement: Postdoc fellow Vanderbilt University

Now: Associate Professor Tianjin Normal University China

Mintao Zhao, Ph.D. (2007, Chinese Academy of Sciences).

Immediate Placement: Postdoc fellow Hong Kong University

Now: Lecturer, University of East Anglia, UK

Lin Wang, Master, (2012, Chinese Academy of Sciences).

Kainan Wen, Master, (2012, Chinese Academy of Sciences).

Shuqing Liu, Master, (2008, Chinese Academy of Sciences).

Yanli Fan, Master, (2008, Chinese Academy of Sciences).

Ying Wang, Master, (2008, Chinese Academy of Sciences).

### Graduate (Supervisory Committee)

Benson Ng (2017)

Michael Parnes (2010-2012, University of Alberta)

Jean-Francois Nankoo (2010-current, University of Alberta)

Michelle Chan (2010-current, University of Alberta)

Yang Liu (2009-current, University of Alberta)

Ryan van Kroonenburg (2009-2010, University of Alberta)

### Undergraduate (Directed Study)

11/5/2019

Mohamed Osman-Abdallah (Fall 2019-)  
Qingyao Xue (Fall 2019-)  
Yijun Wang (Fall 2019-)  
Mujtaba Siddique (Fall 2019-)  
Linlin Tan (Fall 2019-)  
Aradhna Chawla (Winter 2019-)  
Jarlo Alganion (Fall 2018-)  
Subekshya Adhikari (Fall 2018-)

Ojas Srivastava (Fall 2017- Winter 2019)  
Rachel Mustaklem (Winter 2019)  
Lara Pereira (Winter 2019-Summer 2019)  
Kai Huang (Spring 2018)  
Lydia Jiang (Fall 2017-Winter 2018)  
Dhriti Mehta (Fall 2017-Winter 2018)  
Zehua Xia (Fall 2017-Winter 2018)  
Aila Jamali (Winter 2017, Winter 2018)  
Eugini Tolentino (Winter 2017-Fall 2017)  
Nim Binning (Fall 2016 –Fall 2017)  
Aleesh Hafeez (Fall 2016 -Winter 2017)  
Bowen Wu (Fall 2016)  
Labiqa Nazar (Winter 2016)  
Bairong Song (Winter 2016 – Fall 2016)  
Silvernise Goh (Winter 2016)  
Janina Valencia (Winter 2016)  
Alexandra Vrapciu (Fall 2015- Fall 2016)  
Yoori Son (Winter 2015)  
Wenyue Lu (Winter, Summer 2015)  
Xinyu Yi (Winter 2015)  
Tiancheng Ma (Fall 2014-2015, Honor program, University of Alberta)  
Benson Ng (Fall 2014-2015, University of Alberta)  
Inna Dymouriak (Fall 2013, University of Alberta)  
So Yon Kwon (Winter 2013-Fall 2013, University of Alberta)  
Vi Pham (Winter 2012, University of Alberta)  
Keith Baldoz (Fall, 2011-Winter 2012, University of Alberta)  
Brent Chambers (Fall, 2011-Winter 2012; Fall, 2014- University of Alberta)  
Geoff Golda (Winter 2011, University of Alberta)  
Lauren Poon (Fall 2010- Winter 2012, University of Alberta)  
Sarah Tan (Winter 2010-Winter 2013, University of Alberta)  
Sean Wallace (Winter 2010, Fall 2010, University of Alberta)  
Zofia Tundak (Winter 2010, University of Alberta)  
Melissa Teyema (Winter 2010, University of Alberta)  
Nicole Sieusahai (Winter 2010, Fall 2010, Winter 2011, University of Alberta)  
Taylor Murphy (Winter 2009 – Winter 2012, University of Alberta)  
Erin Lim (Fall 2009; Winter 2010, University of Alberta)  
Kristen Hemrick (Fall 2009; Winter 2010, University of Alberta)

Shanika Wijayanayaka (Winter 2009, Fall 2009, University of Alberta)

Cindy Liu (Winter 2009, University of Alberta)

Janice Tang (Winter 2009, University of Alberta)

Matthias Berkes (Winter 2009, University of Alberta)

## Publications

### Journal Articles (Student authors are underlined)

1. Zhang, L., **Mou, W.**, Lei, X., & Du, Y. (2019). Cue combination used to update the navigator's self-localization, not the home location. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, in press.
2. Wang, L. & **Mou, W.** (2019). Effect of room size on geometry and features cue preference during reorientation: modulating encoding strength or cue weighting. *Quarterly Journal of Experimental Psychology*, in press.
3. Lei, X., **Mou, W.**, & Zhang, L. (2019). Developing global and local spatial representations through across-boundary navigation. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, in press.
4. Zhou, R., & **Mou, W.** (2019). The effects of cue placement on the relative dominance of boundaries and landmark arrays in goal localization. *Quarterly Journal of Experimental Psychology*, in press
5. Zhou, R., & **Mou, W.** (2019). Boundary shapes guide selection of reference objects in goal localization. *Attention, Perception, & Psychophysics*, in press.
6. Du, Y., **Mou, W.** & Zhang, L. (2019). Unidirectional influence of vision on locomotion in multi-modal spatial representations of a large-scale space. *Psychological Research*, in press.
7. Zhang, L. & **Mou, W.** (2019). Selective resetting position and heading estimations while driving in a large-scale immersive virtual environment. *Experimental Brain Research*, 237, 335-350.
8. Wang, L., **Mou, W.**, & Dixon, P. (2018). Cue interaction between buildings and street configurations during reorientation in familiar and unfamiliar outdoor environments. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44, 631-644.
9. Zhou, R., & **Mou, W.** (2018). The limits of boundaries: unpacking localization and cognitive mapping relative to a boundary. *Psychological Research*, 82, 617-633.
10. Du, Y., McMillan, N., Madan, C. R., Spetch, M. L., & **Mou, W.** (2017). Weighted integration of landmarks in spatial search: The role of learning experience. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 43, 1857-1871.
11. Zhang, L. & **Mou, W.** (2017). Piloting systems reset path integration systems during

- position estimation. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *43*, 472-491.
12. Du, Y., Spetch, M. L., & **Mou, W.** (2016). Look up: Human adults use vertical height cues in reorientation. *Memory & Cognition*, *44*, 1277-1287.
  13. Zhou, R. & **Mou, W.** (2016). Superior cognitive mapping through single-landmark-related learning than through boundary-related learning. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *42*, 1316-1323.
  14. **Mou, W.** & Wang, L. (2015). Piloting and path integration within and across boundary. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *41*, 220-234.
  15. **Mou, W.** & Zhang, L. (2014). Dissociating position and heading estimations: rotated visual orientation cues perceived after walking reset headings but not positions. *Cognition*, *133*(3), 553-571.
  16. **Mou, W.**, Nankoo J., Zhou, R., & Spetch, M. L. (2014). Use of geometric properties for reorientation to remote cities: object arrays and extended surfaces. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *40*, 476-491.
  17. Zhang, H., **Mou, W.**, McNamara, T. P., Wang, L. (2014). Connecting spatial memories of two nested spaces. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *40*, 191-202.
  18. Wang, L., **Mou, W.**, & Sun, X. (2014). Development of Landmark Knowledge at Decision Points. *Spatial Cognition and Computation*, *14*, 1-17.
  19. **Mou, W.**, McNamara, T.P., & Zhang, L. (2013). Global frames of reference organize configural knowledge of paths. *Cognition*, *129*, 180–193.
  20. **Mou, W.**, & Spetch, M. L. (2013). Object location memory: integration and competition between multiple context objects but not between observers' body and context objects. *Cognition*, *126*, 181-197.
  21. **Mou, W.** & Zhou, R. (2013). Defining a boundary: infinite number of reference points or extended surfaces. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *39*, 1115-1127.
  22. Lubyk, D. M., Spetch, M. L., Zhou, R., Pisklak, J. & **Mou, W.** (2013). Reorientation in diamond-shaped environments: Encoding of features and angles in enclosures versus arrays by adult humans and pigeons (*Columbia livia*). *Animal Cognition*, *16*, 565-581.
  23. Zhang, H., Friedman, A., **Mou, W.**, & Waller, D. (2012). View combination in recognition of 3-D virtual reality layouts. *PsyCH*, *1*, 82–89.
  24. Li, X., **Mou, W.**, & McNamara, T. P. (2012). Retrieving enduring spatial representations after disorientation. *Cognition*, *124*, 143-155.

25. Liu, X., **Mou, W.**, & McNamara, T. P. (2012). Selection of spatial reference directions prior to seeing objects. *Spatial Cognition and Computation*, *12*, 53-69.
26. Li, X., Carlson, L. A., **Mou, W.**, Williams, M. R., & Miller, J. E. (2011). Describing spatial locations from perception and memory: The influence of intrinsic axes on reference object selection. *Journal of Memory and Language*, *65*, 222-236.
27. Zhang, H., **Mou, W.**, & McNamara, T. P. (2011). Spatial updating according to a fixed reference direction of a briefly viewed layout. *Cognition*, *119*, 419-429.
28. Xiao, C., McNamara, T. P., Qing, X., & **Mou, W.** (2010). Neural mechanisms of recognizing scene configurations from multiple viewpoints. *Brain Research*, *1363*, 107-116.
29. Xiao, C., **Mou, W.**, & McNamara, T. P. (2009). Use of self-to-object and object-to-object spatial relations in locomotion. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *35*, 1137-1147.
30. Li, X., **Mou, W.**, & McNamara, T. P. (2009). Intrinsic frames of reference and egocentric viewpoints in recognizing spatial structure of a shape. *Psychonomic Bulletin & Review*, *16*, 518-523.
31. **Mou, W.**, Zhang, H., & McNamara, T. P. (2009). Novel-view scene recognition relies on identifying spatial reference directions. *Cognition*, *111*, 175-186.
32. **Mou, W.**, Liu, X., & McNamara, T. P. (2009). Layout geometry in encoding and retrieval of spatial memory. *Journal of Experimental Psychology: Human Perception and Performance*, *35*, 83-93.
33. **Mou, W.**, Xiao, C., & McNamara, T. P. (2008). Reference directions and reference objects in spatial memory of a briefly-viewed layout. *Cognition*, *108*, 136-154.
34. **Mou, W.**, Li, X., & McNamara, T. P. (2008). Body and environment stabilized processing spatial knowledge during locomotion. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *34*, 415-421.
35. **Mou, W.**, Fan, Y., McNamara, T. P., & Owen, C. (2008). Intrinsic frames of reference and egocentric viewpoints in scene recognition. *Cognition*, *106*, 750-769.
36. **Mou, W.**, Zhao, M., & McNamara, T. P. (2007). Layout geometry in the selection of intrinsic frames of reference from multiple viewpoints. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *33*, 145-154.
37. Zhao, M., Zhou, G., **Mou, W.**, Hayward, W., & Owen, C. (2007). Spatial updating during locomotion does not change viewpoint dependent visual object processing. *Visual Cognition*, *15*, 402-419.
38. **Mou, W.**, McNamara, T. P., Rump, B., & Xiao, C. (2006). Roles of egocentric and

allocentric spatial representations in locomotion and reorientation. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 32, 1274-1290.

39. **Mou, W.**, Biocca, F., Owen, C.B., Tang, A., Xiao, F., & Lim, L. (2004). Frames of reference in mobile Augmented Reality displays. *Journal of Experimental Psychology: Applied*, 10, 238-244.
40. **Mou, W.**, Zhang, K., & McNamara, T.P. (2004). Frames of reference in spatial memory acquired from language. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 30, 171-180.
41. **Mou, W.**, McNamara, T.P., Valiquette C. M., & Rump, B. (2004). Egocentric and allocentric updating of spatial memories. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 30, 142-157.
42. **Mou, W.**, & McNamara, T. P. (2002). Intrinsic frames of reference in spatial memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 28, 162-170.
43. **Mou, W.**, & Zhang, K. (2001). A compatible chord code for inputting elements of Chinese Characters. *Applied Ergonomics*, 32, 293-297.

#### **Working Papers (Student authors are underlined)**

44. Lei, X., **Mou, W.** (2019) Updating global and local headings in remote spaces based on path integration and piloting. Revision.
45. Yu, C., Lu, R., Li, Z., **Mou, W.**, & Li, Z. (2019). Set size effects in spatial updating are independent of the online/offline updating strategy. Revision.
46. Du, Y., **Mou, W.**, & Lei, X. (2019). Updating allocentric headings during 3D navigation in humans. Submitted.
47. Du, Y., & **Mou, W.** (2019). When humans can fly: Imprecise vertical localization in human locomotion. Manuscript in preparation.

#### **Book Chapters**

48. Tang, A., Owen, C., Biocca, F., **Mou, W.** (2004). Performance Evaluation of Augmented Reality for Directed Assembly, in *Virtual and Augmented Reality Applications in Manufacturing*, Nee, A., Ong, S., Editors. Springer Publications, Heidelberg, Germany. 301-322.

#### **Presentations/Proceedings**

1. **Mou, W.** (2019). Updating humans' headings in 3D and across-boundary spaces based on path integration, Talk presented at the Canadian Society for Brain, Behaviour and Cognitive Science 29<sup>th</sup> Annual Conference, June 7-9, Waterloo, Ontario, Canada.



2. Lei, X., Mou, W., Adhikari, S., Alganion, J., Chawla, A., & Pereira, L. (2019). Spatial updating within and across boundaries. Poster presented at the 38th Banff Annual Seminar in Cognitive Science, May 3-4, Banff, Canada.
3. Qi, Y., Lei, X., Mou, W., & Srivastava, O. (2019). Cue combination of path integration and piloting in goal directed navigation. Poster presented at the 38th Banff Annual Seminar in Cognitive Science, May 3-4, Banff, Canada.
4. **Mou, W.** (2018). Updating Headings and Positions in Human Navigation Using Landmarks and Path Integration, Talk presented at the Psychonomic Society's 59th Annual Conference, Nov. 15-18, New Orleans, Louisiana, USA.
5. **Mou, W.** (2018). Updating humans' headings and positions using landmarks and path integration, Talk presented at the Canadian Society for Brain, Behaviour and Cognitive Science 28th Annual Conference, July 4-7, St. John's, NL, Canada.
6. Du, Y., Mou, W., & Lei, X. (2018). Up is up and north is north: Humans' 3D heading representation. Poster presented at the Interdisciplinary Navigation Symposium (iNAV), June 25-29, Tremblant, QC, Canada.
7. Lei, X. & Mou, W. (2018) Developing global and local cognitive maps through path integration. Poster presented at the Interdisciplinary Navigation Symposium (iNAV), June 25-29, Tremblant, QC, Canada.
8. Wang, L. & Mou, W. (2018). Effects of familiarity and room size on the interaction between geometry and features during reorientation. Poster presented at the 37th Banff Annual Seminar in Cognitive Science (BASICS), May 4-5, Banff, AB, Canada.
9. Lei, X. & Mou, W. (2018). Local and global sensorimotor interferences in perspective taking based on multiscale mental maps. Poster presented at the 37th Banff Annual Seminar in Cognitive Science (BASICS), May 4-5, Banff, AB, Canada.
10. Du, Y., Mou, W., & Lei, X. (2018). ).Up is up and north is north: Humans' 3D heading representation. Poster presented at the 37th Banff Annual Seminar in Cognitive Science (BASICS), May 4-5, Banff, AB, Canada.
11. Lei, X., Mou, W., & Zhang, L. (2017). Developing global and local cognitive maps through path integration. Poster presented at the Psychonomic Society's 58th Annual Conference, Nov. 9-12, Vancouver, BC, Canada.
12. Du, Y., & Mou, W. (2017). Imprecise vertical localization in surface-based locomotion but not in flying. Talk presented at the Psychonomic Society's 58th Annual Conference, Nov. 9-12, Vancouver, BC, Canada.
13. Lei, X., Zhang, L., & Mou, W. (2016). Switching between global and local orientations. Paper presented at the Psychonomic Society's 57th annual conference, Nov. 17-20, Boston, MA.
14. Du, Y., Zhang, L., & Mou, W. (2016). Unidirectional influence of vision on locomotion

in multi-modal spatial representations acquired from navigation. Paper presented at the Psychonomic Society's 57th annual conference, Nov. 17–20, Boston, MA.

15. **Mou, W.** (2016). Superior cognitive mapping through single-landmark-related learning than through boundary-related learning. Invited talk at the Interdisciplinary Navigation Symposium (iNAV), June. 26–30, Bad Gastein, Austria.
16. Wang, L., **Mou, W.**, & Dixon, P. (2015). The effect of familiarity on human adults' use of geometry and feature in reorientation. Paper presented at the Psychonomic Society's 56th annual conference, Nov. 19–22, Chicago, IL.
17. **Mou, W.** & Zhang, L. (2015). Piloting systems reset path integration systems during position estimation. Paper presented at the Psychonomic Society's 56th annual conference, Nov. 19– 22, Chicago, IL.
18. Du, Y., Spetch, M., & **Mou, W.** (2015). The use of vertical height cues in spatial reorientation. Paper presented at the Psychonomic Society's 56th annual conference, November 19-22, Chicago, IL,.
19. Zhou, R., & **Mou, W.** (2015). Hit and Miss in a Boundary: Unpacking Localization and Cognitive Mapping Relative to a Boundary. Psychonomic Society's 56th annual conference, November 19-22, Chicago, USA.
20. Zhou, R. & **Mou, W.** (2014). Connecting scattered dots in a cognitive map: the roles of boundaries and a single landmark in integrating multiple locations. Paper presented at the Psychonomic Society's 55th annual conference, Nov. 20–23, Long Beach, CA.
21. **Mou, W.** & Zhang, L. (2013). Course relies on idiothetic cue whereas heading relies on visual cue in human path integration. Paper presented at the Psychonomic Society's 54<sup>rd</sup> annual conference, Nov. 14–17, Toronto.
22. **Mou, W.** & Zhou, R. (2012). Defining a boundary: infinite number of reference points or extended surfaces. Paper presented at the Psychonomic Society's 53<sup>rd</sup> annual conference, Nov. 15–18, Minneapolis, MN.
23. Wang, L., **Mou, W.**, & Sun, X. (2012). Development of landmark knowledge and navigation strategies in large-scale environments. Paper presented at the Psychonomic Society's 53<sup>rd</sup> annual conference, Nov. 15–18, Minneapolis, MN.
24. **Mou, W.**, Nankoo J., & Spetch, M. L. (2011). Use of geometric properties for reorientation to remote cities: object arrays and extended surfaces. Paper presented at the Psychonomic Society's 52nd annual conference, Nov. 3–6, Seattle, WA.
25. **Mou, W.**, & McNamara, T. P. (2010). Reference directions in spatial memory acquired from path integration. Paper presented at the Psychonomic Society's 51st annual conference, Nov. 18–21, St. Louis, MO.
26. Li, X., **Mou, W.**, & Carlson L. A. (2010) Describing locations from memory: Effects of

spatial reference direction on reference object selection, Paper presented at the 10th annual meeting of the Vision Science Society, May 7-12, Naples, FL.

27. Zhang, H., **Mou, W.**, & McNamara, T. P. (2009). Spatial reference directions of two nested layouts. Paper presented at the Psychonomic Society's 50th annual conference, Nov. 19–22, Boston, MA.
28. Li, X., **Mou, W.**, & McNamara, T. P. (2008). Reorientation by recovering the spatial reference direction. Paper presented at the Psychonomic Society's 49th annual conference, Nov. 13-16, Chicago, IL.
29. Zhang, H., **Mou, W.**, & McNamara, T. P. (2008). Spatial updating intrinsic reference direction of a briefly viewed layout. Paper presented at the Psychonomic Society's 49th annual conference, Nov. 13-16, Chicago, IL.
30. **Mou, W.**, Li, X., & McNamara, T. P. (2008). Intrinsic Orientation and Learning Viewpoint in Shape Recognition. Paper presented at the 8th annual meeting of the Vision Science Society, May 9 – May 14, Naples, FL.
31. Liu, X., **Mou, W.**, & McNamara, T. P. (2007). Intrinsic reference direction in sequentially learning a layout. Paper presented at the Psychonomic Society's 48th annual conference, Nov. 15-18, Long Beach, CA.
32. **Mou, W.**, Li, X., & McNamara, T. P. (2006). Body and environment stabilized processing spatial knowledge during locomotion. Paper presented at the Psychonomic Society's 47th annual conference, Nov. 16-19, Houston, TX.
33. **Mou, W.**, Zhang, H., & McNamara, T. P. (2006). Change detection of an object's locations relies on the information of learning viewpoint, Paper presented at the Psychonomic Society's 47th annual conference, Nov. 16-19, Houston, TX.
34. **Mou, W.**, Hayward, W. G., Zhao, M., Zhou, G., & Owen, C. B. (2006). Spatial updating during locomotion does not eliminate viewpoint-dependent visual object processing. Paper presented at the 6th annual meeting of the Vision Science Society, May 5 – May 10, Sarasota, FL.
35. **Mou, W.**, Zhao, M., & McNamara, T. P. (2005). Layout geometry and viewing perspectives in the selection of intrinsic frames of reference. Paper presented at the Psychonomic Society's 46th annual conference, Nov. 9-13, Toronto, Canada
36. **Mou, W.**, Xiao, C., & McNamara, T. P. (2005). Spatial memory of briefly-viewed desktop scene. Paper presented at the Psychonomic Society's 46th annual conference, Nov. 9-13, Toronto, Canada.
37. Owen, C., Biocca, F., Tang, A., Xiao, F., **Mou, W.**, Lim, L. (2005). Information frames in Augmented Reality mobile user interfaces. *Proceedings of HCI International 2005*, July 22-27, 2005, Las Vegas, USA.

38. Biocca, F., Xiao, F., **Mou, W.**, Owen, C., Tang, A. (2005). Mobile infospaces: personal and egocentric space as psychological frames for information organization in Augmented Reality environments. *Proceedings of HCI International 2005*, July 22-27, 2005, Las Vegas, USA.
39. **Mou, W.**, & McNamara, T. P. (2004). Navigation depends on enduring allocentric representations. Psychonomic Society's 45th annual conference, Minneapolis, MN.
40. **Mou, W.**, Biocca, F., Owen, C., Tang, A., and Xiao, F. (2004). Spatial memory and spatial updating in augmented reality (Abstract). *International Journal of Psychology*, Vol.39, Issue 5-6. ISBN 0020-7594.
41. Biocca, F., Rolland, J., Owen, C., Stockman, G., **Mou, W.**, Harms, C., Tang, A., Plantagenest, G., Reddy, C., Hua, H. (2003). Approaches to the design and measurement of social and information awareness in Augmented Reality systems. *Proceedings of HCI International 2003*, June 22-27, 2003, Crete, Greece.
42. Tang, A., Owen, C., Biocca, F., **Mou, W.** (2003). Comparative effectiveness of augmented reality in object assembly. *Proceedings of ACM CHI '2003*, pp. 73 - 80, April 5 - 10, 2003, Fort Lauderdale, FL.
43. Tang, A., Owen, C., Biocca, F., **Mou, W.** (2002). Experimental Evaluation of Augmented Reality in Object Assembly Task. *Proceedings of ISMAR '2002, IEEE and ACM International Symposium on Mixed and Augmented Reality*, September 31 - October 1, 2002, Darmstadt, Germany.
44. **Mou, W.**, & McNamara T.P. (2002). Egocentric and allocentric updating of spatial memory. Paper presented at the Psychonomic Society's 43rd annual conference, Nov. 21-24, Kansas City, Mo.
45. **Mou, W.**, Zhang, K., & Yang, S. (1999). Direction effect and relative location effect in searching imagined environments. Paper presented at the international Conference COSIT'99, August, Hamburg, Germany.