

# Avraamides, Marios, N

## Curriculum Vitae

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### Contact

Department of Psychology  
University of Cyprus  
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### Current Position

- Professor of Cognitive Psychology. University of Cyprus. (5/2018 – current)
- Pillar Leader on Human Factors and Design. Research Centre on Interactive Media, Smart Systems, and Emerging Technologies - RISE (3/2018-current)

### Previous Positions

- Associate Professor of Cognitive Psychology. University of Cyprus. (12/2012 – 5/2018)
- Vice-Chair of the Department of Psychology of the University of Cyprus (5/2016 – 4/2018).
- Assistant Professor of Cognitive Psychology. University of Cyprus.(12/2007- 11/2012)
- Lecturer of Cognitive Psychology. University of Cyprus.(1/2004-12/2007)
- Research Scientist. Max-Planck-Institute for Biological Cybernetics, Tübingen, Germany. 17/8 – 17/12/2004.
- Postdoctoral Fellow. The University of California Santa Barbara, USA. 12/8/2002-11/8/2003

### Sabbaticals and Invited Visits

- Erasmus+ Visitor at the Department of General Psychology, University of Padova, Italy. 11/7-17/7/2017
- Visiting Scholar at the Department of Experimental Psychology, University of Oxford, UK. 18/1-16/6/2015
- Erasmus+ Visitor at the Department of General Psychology, University of Padova, Italy. 18/5-22/5/2015
- Isaac Manasseh Meyer Fellowship visitor, Department of Psychology, National University of Singapore, Singapore, 2/11-16/11/2014
- Visiting Scholar at the MRC Cognition and Brain Sciences Unit, Cambridge UK. 19/8-23/12/2012

## Education

- PhD in Cognitive/Experimental Psychology. The Pennsylvania State University. 2002.
- MSc in Cognitive/Experimental Psychology. The Pennsylvania State University. 1999.
- BA in Psychology. The University of Texas at Austin. 1997
- BA in Elementary Education. National and Kapodistrian University of Athens. 2002.
- Teacher Diploma. The Pedagogical Academy of Cyprus. 1993.

## Other Training

- Virtual Environments Training Seminar. Worldviz Inc, Bavaria, Germany. November 2010.
- ACT-R Computational Modelling Summer School. Carnegie Mellon University. July/August 2002.

## International Committees and Panels

- Elected member of the current executive committee of the European Society for Cognitive Psychology (ESCoP)
- Panel member for the 2014 and the 2016 “SH4-The human brain and its complexities” panel for ERC starting grants.
- Scientific committee member for the European Workshop of Imagery and Cognition (EWIC) series of conferences. 2014-current.
- Representative of Cyprus to the “Individuals, Societies, Culture, and Health” (ISCH) panel for COST grants. 2012-2014
- Representative of Cyprus to the European Social Cognition Network 2 (ESCON 2) of the European Science Foundation. 2010-2014.

## Professional Memberships

- The European Society for Cognitive Psychology (ESCoP)
- The Psychonomic Society
- The Cognitive Science Society

## Research Interests

- Spatial memory, perspective-taking, orientation and navigation, spatial learning from different modalities, virtual environments, spatial language.

## MAJOR INVITED TALKS

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**Avraamides, M. N.** (2017). Spatial memory about familiar and unfamiliar environments. July 13, 2017, Department of General Psychology, University of Padova, Italy.

**Avraamides, M. N.** (2016). Spatial representations for immediate and remote environments: their role in navigation. iNAV workshop, Bad Gastein, Austria. June 26-30, 2016.

**Avraamides, M. N.** (2016). Are there multiple spatial representations? International Workshop on Models and Representations in Spatial Cognition. Hanse Wissenschaftskolleg, Delmenhorst, Germany. March 3-4, 2016.

**Avraamides, M. N.** (2015). Investigating the organization of spatial memory. July 17, 2015. University of California Davis, USA.

**Avraamides, M. N.** (2015). The organizational structure of spatial memory. July 10, 2015. Bournemouth University, UK.

**Avraamides, M. N.** (2015). The organizational structure of spatial memory. June 8, 2015. Department of Experimental Psychology, University of Oxford, UK.

**Avraamides, M. N.** (2015). Perspective taking in spatial cognition. May 22, 2015, Department of Psychology, University of Florence, Italy.

**Avraamides, M. N.** (2015). What's so difficult with reasoning from imagined perspectives? May 20, 2015, Department of General Psychology, University of Padova, Italy.

**Avraamides, M. N.** (2014). Reference frames in spatial memory and conversation, November 7, 2014, National University of Singapore, Singapore.

**Avraamides, M. N.** (2012). Updating immediate spatial memories. November 22, 2012, Attention and Cognitive Control group, MRC Cognition & Brain Sciences Unit, Cambridge, UK.

**Avraamides, M. N.** (2012). Multiple systems of spatial memory. EU Competitiveness Council. July 20, 2012, Nicosia, Cyprus.

## Publications

<sup>1</sup> indicates student/post-doc first author at the time of submission

### FULL-LENGTH ARTICLES IN REFEREED JOURNALS

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1. Kelly, J., Siegel, Z. D, Sjolund, L.A, & **Avraamides, M. N.** (in press). Selection of macrorference frames in spatial memory. *Memory & Cognition*.
2. Avraam, S., Hatzipanayioti, A., & **Avraamides, M. N.** (in press). Orientation-dependent spatial memories for scenes viewed on mobile devices. *Psychological Research*.<sup>1</sup>
3. Galati, A., Panagiotou, E., Tenbrink, T., & **Avraamides, M. N.** (2018). Dynamic strategy selection in collaborative spatial tasks. *Discourse Processes*, 55, 8, 643-665.

4. Matsangidou, M., Ang, C-S, Mauger, A. R., Intarasirisawat, J., Otkhmezuri, B., & **Avraamides, M. N.** (in press). Is your virtual self as sensational as your real? Virtual Reality: The effect of body consciousness on the experience of exercise sensations. *Psychology of Sport & Exercise*.<sup>1</sup>
5. Galati, A., Weisberg, S., Newcombe, N., & **Avraamides, M. N.** (2018). When gestures show us the way: Co-thought gestures selectively facilitate navigation and spatial memory. *Spatial Cognition & Computation*. 18, 1–30<sup>1</sup>
6. Galati, A., Diavastou, A., & **Avraamides, M. N.** (2017). Signatures of cognitive difficulty in perspective-taking: Is the egocentric perspective always the easiest to adopt? *Language, Cognition and Neuroscience*. doi: 10.1080/23273798.2017.1384029
7. Michaelides, C., & **Avraamides, M. N.** (2017). Developmental changes in the mental transformation of spatial arrays. *Journal of Experimental Child Psychology*. 164, 152-162 doi: 10.1016/j.jecp.2017.07.013<sup>1</sup>
8. Galati, A., Panagiotou, E., Tenbrink, T., & **Avraamides, M. N.** (2017). Dynamic strategy selection in collaborative spatial tasks. *Discourse Processes*. DOI: 10.1080/0163853X.2017.1293482<sup>1</sup>
9. Hatzipanayioti, A., Galati, A., & **Avraamides, M.N.** (2016). Updating spatial relations to remote locations described in narratives. *Memory & Cognition*, 44, 1269-1276.<sup>1</sup>
10. Neokleous, K., Shimi, A., & **Avraamides, M. N.** (2016). Modeling the effects of perceptual load: Saliency, Competitive Interactions, and top-down biases. *Frontiers in Psychology*. <http://dx.doi.org/10.3389/fpsyg.2016.00001><sup>1</sup>
11. Pantelides, S., Kelly, J.W., & **Avraamides, M. N.** (2016). Integration of spatial information across vision and language. *Journal of Cognitive Psychology*, 28, 171-185.<sup>1</sup>
12. Hatzipanayioti, A., Galati, A., & **Avraamides, M.N.** (2016). The Protagonist's First Perspective Influences the Encoding of Spatial Information in Narratives. *Quarterly Journal of Experimental Psychology*, 69, 505-520.<sup>1</sup>
13. Fanti, K., Panayiotou, G., Kyranides, M., & **Avraamides, M. N.** (2016). Startle modulation during violent films: Association with callous-unemotional traits and aggressive behaviour. *Motivation & Emotion*, 40, 321-333.
14. **Avraamides, M. N.**, Hatzipanayioti, A., & Galati, A. (2015). What's so difficult with adopting imagined perspectives? *Cognitive Processing*, 16, S121-S124. doi: 10.1007/s10339-015-0728-3
15. Galati, A. & **Avraamides, M.N.** (2015). Social and representational cues jointly influence spatial perspective-taking. *Cognitive Science*, 39, 739-765. doi: 10.1111/cogs.12173.<sup>1</sup>
16. Adamou, C., **Avraamides, M.N.**, & Kelly, J.W. (2014). Integration of visuo-spatial information encoded from different viewpoints. *Psychonomic Bulletin & Review*, 126,244-246, doi: 10.3758/s13423-013-0538-5.<sup>1</sup>

17. **Avraamides, M.N.**, Sarrou, M., & Kelly, J.W. (2013). Cross-sensory reference frame transfer in spatial memory: the case of proprioceptive learning. *Memory & Cognition*, 42, 496-507. doi: 10.3758/s13421-013-0373-y.
18. Galati, A., & **Avraamides, M. N.** (2013). Flexible spatial perspective-taking: Conversational partners weigh multiple cues in collaborative tasks. *Frontiers in Human Neuroscience*. doi:10.3389/fnhum.2013.00618. <sup>1</sup>.
19. Galati, A., & **Avraamides, M.N.** (2013). Collaborating in spatial tasks: How partners coordinate their spatial memories and descriptions. *Cognitive Processing*, 14, 193-195.<sup>1</sup>
20. **Avraamides, M. N.**, Galati, A., & Papadopoulou, C. (2013). Egocentric updating of remote locations. *Psychological Research*. 77, 716-727.
21. Greenauer, N., Mello, C., Kelly, J. W., & **Avraamides, M.N.** (2013). Integrating spatial information across experiences. *Psychological Research*, 77, 540-554. <sup>1</sup>
22. **Avraamides, M. N.**, Galati, A., Pazzaglia, F., Meneghetti, C., & Denis, M. (2013). Encoding and updating spatial information presented in narratives. *The Quarterly Journal of Experimental Psychology*, 66, 642-670.
23. **Avraamides, M.N.**, Theodorou, M., Agathokleous, A., & Nicolaou, A. (2013). Revisiting perspective-taking: can people maintain imagined perspectives? *Spatial Cognition & Computation*, 13, 50-75.
24. Galati, A., Michael, C., Mello, C., Greenauer, N., & **Avraamides, M.N.** (2013). The conversational partner's perspective affects spatial memory and descriptions. *Journal of Memory and Language*, 68, 140-159. <sup>1</sup>
25. **Avraamides, M. N.**, Adamou, C., Galati, A., & Kelly, J.W. (2012). Integration of spatial relations across perceptual experiences. *Lecture Notes in Computer Science*, 7463, 416-430.
26. Kelly, J.W., **Avraamides, M.N.** & Giudice, N.A. (2011). Haptic experiences influence visually-acquired memories: Reference frames during multimodal spatial learning. *Psychonomic Bulletin & Review*, 18, 1119-1125.
27. Kelly, J.W. & **Avraamides, M.N.** (2011). Cross-sensory transfer of reference frames in spatial memory. *Cognition*, 118, 444-450.
28. Neokleous, K.C., **Avraamides, M.N.**, Neokleous, C. K., & Schizas, C.N. (2011). Selective attention and consciousness: investigating their relation through computational modelling. *Cognitive Computation*, 3, 321-331.<sup>1</sup>
29. **Avraamides, M.N.** & Kelly, J. W. (2010). Multiple systems of spatial memory: evidence from described scenes. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 36, 635-645.
30. Neokleous K.C., **Avraamides M. N.**, Neocleous C.C & Schizas N.C. (2009). A neural network model of the attentional blink phenomenon. *Engineering Intelligent Systems*, 17, 115-126.<sup>1</sup>

31. Fanti, K. A., Vanman, E., Henrich, C.C., & **Avraamides, M.N.** (2009). Desensitization to media violence over a short period of time. *Aggressive Behavior*, 35, 179-187.
32. **Avraamides, M. N.** & Kelly, J. W. (2008). Multiple systems of spatial memory and action. *Cognitive Processing*, 9, 93-106.
33. Kelly, J. W., **Avraamides, M. N.**, & Loomis, J. M. (2007). Sensorimotor alignment effects in learning and novel environments. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 33, 1092-1107.<sup>1</sup>
34. **Avraamides, M. N.**, Ioannidou, L. M., & Kyranidou, M-N. (2007) Locating targets from imagined perspectives: comparing labeling with pointing responses. *Quarterly Journal of Experimental Psychology*, 60, 1660-1679.
35. Carlson, R. A, **Avraamides, M. N.**, Cary, M., & Stasberg, S. (2007) What do the hands externalize in simple arithmetic? *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 33, 747-756.
36. Riecke, B. E., Schulte-Pelkum, J., **Avraamides, M. N.**, von der Heyde, M, & Bülhoff, H. H. (2006). Cognitive Factors can Influence Self-Motion Perception (vection) in Virtual Reality. *ACM Transactions on Applied Perception*, 3, 194 – 216.
37. **Avraamides, M. N.**, & Sofroniou, S. G. (2006). Spatial Frameworks in imagined navigation, *Psychonomic Bulletin & Review*, 13, 510-515.
38. **Avraamides, M. N.**, Klatzky, R. L., Loomis, J. M., & Golledge, R. G. (2004). Use of cognitive versus perceptual heading during imagined locomotion depends on the response mode. *Psychological Science*, 15, 403-408.
39. **Avraamides, M. N.**, Loomis, J. M., Klatzky, R. L., & Golledge, R. G. (2004). Functional equivalence of spatial representations derived from vision and language: Evidence from allocentric judgments. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 30, 801-814.
40. **Avraamides, M. N.** (2003). Spatial updating of environments described in texts. *Cognitive Psychology*, 47, 402-431.
41. **Avraamides, M. N.** & Carlson R. A (2003). Egocentric organization of spatial activities in imagined navigation. *Memory & Cognition*, 31, 252–261.

#### **FULL-LENGTH ARTICLES IN REFEREED JOURNAL SERIES**

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1. Hatzipanayioti, A., Galati, A., & **Avraamides, M.N.** (2014). Spatial updating in narratives. *Lecture Notes in Artificial Intelligence: Spatial Cognition 2014*, 8684, 1-13.<sup>1</sup>
2. Neokleous, K., **Avraamides, M.N.**, Neocleous, C. & Schizas, C., (2012). Cognitive Modelling of Dilution Effects in Visual Search. *Lecture Notes in Computer Science: ICONIP 2012*, 7663.<sup>1</sup>

3. Galati, A., & **Avraamides, M.N.** (2012). Collaborating in spatial tasks: Partners adapt the perspective of their descriptions, coordination strategies, and memory representations. *Lecture Notes in Artificial Intelligence: Spatial Cognition*, 7463, 182-195. <sup>1</sup>
4. **Avraamides, M.N.** Adamou, C., Galati, A., & Kelly, J.W. (2012). Integration of spatial relations across perceptual experiences. Under review for journal series publication. *Notes in Artificial Intelligence: Spatial Cognition*, 7463, 416-430.
5. Kelly, J. W., **Avraamides, M.N.**, & McNamara, T.P. (2010). Reference frames influence spatial memory development within and across sensory modalities. *Lecture Notes in Artificial Intelligence: Spatial Cognition VII-Lecture Notes in Artificial Intelligence*, pp. 222-233. Springer, Berlin.
6. Neokleous, K. C., **Avraamides, M. N.**, & Schizas, C. N. (2009). Computational modeling of visual selective attention based on correlation and synchronization of neural activity. *IFIP International Federation for Information Processing*, 296; *Artificial Intelligence Applications and Innovations III*; Eds. Iliadis, L. Vlahavas, I., Bramer, M.; (Boston, Springer), pp.215-223. <sup>1</sup>
7. Neokleous K.C., **Avraamides M.N.**, Neocleous C.C., & Schizas N.C. (2009). A Neural Network Computational Model of Visual Selective Attention. *Engineering Applications of Neural Networks Communications in Computer and Information Science*, 43, 350-358. <sup>1</sup>
8. **Avraamides, M. N.** & Pantelidou, S. (2008). Does body orientation matter when reasoning about depicted or described scenes?. *Spatial Cognition 2006-Lecture Notes in Artificial Intelligence*, 8-21. Springer-Verlag, Berlin-Heidelberg.
9. **Avraamides, M.N.** & Kyranidou, L-M. (2007). Sensorimotor interference when reasoning about described environments. *Spatial Cognition V-Lecture Notes in Artificial Intelligence*, pp. 270-287. Springer-Verlag, Berlin-Heidelberg.
10. **Avraamides, M.N.**, & Kelly, J. W. (2005). Imagined perspective-changing within and across novel environments. *Spatial Cognition 2004-Lecture Notes in Artificial Intelligence* (pp.245-258), Springer-Verlag, Berlin-Heidelberg.

## BOOK CHAPTERS

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1. **Avraamides, M.N.**, Mello, C., & Greenauer, N. (2013). Spatial representations for described and perceived locations. In T. Tenbrink, J. Wiener, & C. Claramunt (Eds). *Representing space in cognition: Behaviour, language, and formal models*. pp 27-41. Oxford University Press.
2. Greenauer, N., Mello, C., & **Avraamides, M. N.** (2012). Scene recognition is facilitated by the integration of spatial information across experienced and non-experienced view. In T. Patelis (Ed). *Research Studies, Literature Reviews and Perspectives in Psychological Science*. Athens, ATINER. <sup>1</sup>
3. Fanti, K.A. & **Avraamides, M.N.** (2011). Desensitization to media violence. In M. Paludi (Ed.), *The Psychology of Teen Violence and Victimization*. Westport, CT: Praeger.
4. Fanti, K. A. & **Avraamides, M. N.** (2010). Developmental psychopathology: Social policy and clinical implications. In L. P. Harrison (Ed.), *Social Policy: Challenges, Developments and Implications*. New York: Nova Science Publishers.

5. Neokleous K.C., Schizas N.C., **Avraamides M.N.**, & Ioannides A. (2008). A proposed extension of the CODAM model for human attention. *Information Systems Development. Towards a Service Provision Society*; Eds. G. Papadopoulos, W. Wojtkowski, G. Wojtkowski, S. Wrycza, & J. Zupancic (Springer US), pp. 141-147, 2008.<sup>1</sup>
6. Loomis, J. M., Klatzky, R. L., **Avraamides, M. N.**, Lippa, Y., & Golledge, R. G. (2008) Functional equivalence of spatial images produced by perception and spatial language. In F. Mast, L. Jäncke (Eds.), *Spatial processing in navigation, imagery, and perception*. Springer, Berlin.

## REPORTS

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Tenbrink, T., Claramunt, C., Wiener, J.M., **Avraamides, M. N.**, Malaka, R. & Mallot, H.A. (2010). Spatial behaviour and linguistic representation: Collaborative interdisciplinary specialized workshop. *Journal of Spatial Information Science*, 1, 115-120.

## FULL-LENGTH ARTICLES IN CONFERENCE PROCEEDINGS WITH REFEREE SYSTEM

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Christoforou, C., Hatzipanayioti, A., & **Avraamides, M.N.** (2018). Perspective Taking vs Mental Rotation: CSP-based single-trial analysis for cognitive process disambiguation. The 2018 International Conference on Brain Informatics (BI 2018). Arlington, Texas, USA, December, 2018.

Kyrlitsias, G., Fortes Neto, A.B., Charalambous, P., **Avraamides, M.N.**, & Chrysanthou, Y. (2018). Virtual environment navigation assisted by neural networks. IEEE VR 2018., Tuebingen, Germany, March, 2018.

Galati, A., Weisberg, S., Newcombe, N., & **Avraamides, M.N.** (2015). Individual differences in spatial ability influence the effect of gesturing on navigation and spatial memory. In G. Ferré, & M. Tutton (Eds.) *Proceedings of Gesture and Speech in Interaction – 4th edition (GESPIN 4)* (pp. 119-124). Nantes, France.

Galati, A., & **Avraamides, M. N.** (2013). The intrinsic structure of spatial configurations and the partner's viewpoint shape spatial memories and descriptions. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 466-471). Austin, TX: Cognitive Science Society

Neokleous, K. C. & **Avraamides, M. N.** (2012). Modeling dilution effects in perceptual load search tasks. *Proceedings of the 34<sup>th</sup> Annual Meeting of the Cognitive Science Society*, Sapporo, Japan, August 2012.

Neokleous, K. C., **Avraamides, M. N.**, Neocleous, C. K., & Schizas, C. N. (2009). A neural network computational model of visual selective attention. *Proceedings of the 11<sup>th</sup> International Conference on Engineering Applications of Neural Networks*, London, UK, August, 2009.

Neokleous, K. C., Koushiou, M., **Avraamides, M. N.**, & Schizas, C. N. (2009). A coincidence detector neural network model of selective attention. *Proceedings of the 31<sup>st</sup> Annual Meeting of the Cognitive Science Society*, Amsterdam, the Netherlands, July 2009.

Neokleous, K. C., **Avraamides, M. N.**, Ioannides, A. A., Neocleous, C. K., & Schizas, C. N. (2008). A proposed extension of the CODAM model of human attention. *Information Systems Development*;

*Towards a Service Provision Society*; Eds. G. Papadopoulos, W. Wojtkowski, G. Wojtkowski, S. Wrycza, & J. Zupancic (Springer US), pp. 141-147.

**Avraamides, M.N.**, & Kyranidou M. N. (2006). The effect of head-direction disparity in spatial reasoning about described environments. *Proceedings of the 28th Annual Meeting of the Cognitive Science Society*, pp. 907-1002, Vancouver, Canada, July 2005.

**Avraamides, M.N.**, & Ioannidou, L. M. (2005). Locating Targets from Imagined Perspectives: Labeling vs. Pointing. *Proceedings of the XXVII Annual Meeting of the Cognitive Science Society*, Stresa, Italy, July 2005.

Riecke, B.E., Schulte-Pelkum, J, **Avraamides, M. N.**, Von der Heyde, M., & Bühlhoff, H. H. (2005). Scene consistency and spatial presence increase the sensation of self-motion in Virtual Reality. *Proceedings of the 2<sup>nd</sup> Symposium on Applied Perception in Graphics and Visualization (APGV)*, 111-118, ACM Press, New York, NY, USA (August 2005)

Riecke, B.E., Schulte-Pelkum, J, **Avraamides, M. N.**, & Bühlhoff, H. H. (2004). Enhancing the Visually Induced Self-Motion Illusion (vection) under Natural Viewing Conditions in Virtual Reality. *Proceedings of Presence 2004*, 125-132 (Oct. 2004). \*

**Avraamides, M. N.** (2002). Do people update spatial relations described in texts? *Proceedings of the 23rd annual meeting of the Cognitive Science Society*, 95-100, Fairfax, VA, August 2002.

**Avraamides, M. N.**, & Ritter, F. E. (2002). Using multidisciplinary expert evaluations to test and improve cognitive model interfaces. *Proceedings of the 11th Computer Generated Forces & Behavior Representation Conference*, 553-52, Orlando, FL.

Ritter, F. E., **Avraamides, M. N.**, & Council, I, G. (2002). Validating two changes to a cognitive architecture to more accurately model the effects of behavior moderators. *Proceedings of the 11th Computer - Generated Forces & Behavior Representation Conference*, 29-40, Orlando, FL.

## SELECTED INTERNATIONAL CONFERENCE PRESENTATIONS

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**Avraamides, M. N.** & Hatzipanayioti, A. (2017). Sensorimotor effects in spatial perspective taking. The 20th Conference of the European Society for Cognitive Psychology (ESCOP), Potsdam, Germany.

**Avraamides, M. N.** (2016). Reasoning about spatial relations from imagined perspectives. Invited Symposium on Spatial Cognition, Navigation, and Environmental Knowledge. 31<sup>st</sup> International Congress of Psychology, Yokohama, Japan.

Michaelides, C. & **Avraamides, M.N** (2016). Transformation of allocentric representations in school aged children and adults. The 15<sup>th</sup> European Workshop of Imagery and Cognition, Paris, France.

Hatzipanayioti, A. & **Avraamides, M. N.** (2016). Spatial perspective taking in immersive and non-immersive conditions. The 15<sup>th</sup> European Workshop of Imagery and Cognition, Paris, France.

**Avraamides, M. N.** (2016). Integrating spatial information across experiences. International Meeting of the Psychonomic Society, Granada, Spain.

Galati, A., Weisberg, S., Newcombe, N., & **Avraamides, M.N.** (2015). Effects of Gesturing Strategies on Navigation Performance and Spatial Memory. The 56th Annual Meeting of the Psychonomic Society, Chicago, IL.

**Avraamides, M. N.** (2015). Sensorimotor interference in reasoning from imagined perspectives. The International Conference on Spatial Cognition, Rome, Italy.

Galati, A., Weisberg, S., Newcombe, N., & **Avraamides, M.N.** (2015). The effect of gesturing on navigation and spatial memory depends on individual differences in spatial ability. The 19th Conference of the European Society for Cognitive Psychology (ESCOP), Pafos, Cyprus.

Galati, A., Weisberg, S., Newcombe, N., & **Avraamides, M.N.** (2014). Self-generated gestures selectively influence navigation performance and spatial memory. Poster presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach CA, USA

Galati, A., & **Avraamides, M.N.** (2014). Social and environmental cues influence the spatial perspective of speakers' memories and descriptions. Poster presented at the symposium on Spatial Language Modules, Delmenhorst, Germany.

Galati, A., Weisberg, S., Newcombe, N., & **Avraamides, M.N.** (2014). When gestures show us the way: Self-generated gestures selectively facilitate navigation and spatial memory. Talk given at the 14<sup>th</sup> European Workshop on Imagery and Cognition (EWIC), Pafos, Cyprus.

Siegel, Z.D., Sjolund, L.A., Kelly, J.W., & **Avraamides, M.N.** (2013). Macro-reference frame selection. Poster presented at the 55th Annual Meeting of the Psychonomic Society, Toronto, Canada.

Pantelides, S.N., **Avraamides, M.N.**, & Kelly, J.W. (2013). Integrating spatial information across vision and language. Poster presented at the European Society for Cognitive Psychology Annual Conference, Budapest, Hungary.

Diavastou, A., Galati, A., & **Avraamides, M. N.** (2013). The speaker's assumed needs influence the interpretation of spatial descriptions: Evidence from listeners' eye-gaze in a perspective-taking task. Poster presented at the 18<sup>th</sup> Conference of the European Society for Cognitive Psychology (ESCOP), Budapest, Hungary.

Adamou, C., **Avraamides, M.N.**, & Kelly, J.W. (2013). Integration of spatial information across visual experiences. Poster presented at the European Society for Cognitive Psychology Annual Conference, Budapest, Hungary.

Galati, A., & **Avraamides, M. N.** (2012). Representational and communicative constraints shape the organization of spatial memories. Poster presented at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.

Galati, A., & **Avraamides, M.N.** (2012). Coordinating in spatial perspective-taking: How speakers' description strategies affect their partner' memory representations. The 5th International Conference on Spatial Cognition, Rome, Italy, 4-8 September, 2012.

**Avraamides, M. N.** Adamou, C., Galati, A., & Kelly, J.W. (2012). Integration of spatial relations across perceptual experiences. Spatial Cognition 2012. Bavaria, Germany 30 August – 3 September, 2012.

Galati, A. & **Avraamides, M. N.** (2012). Collaborating in spatial tasks: Partners adapt the perspective of their descriptions, coordination strategies, and memory representations. *Spatial Cognition 2012*. Bavaria, Germany 30 August – 3 September, 2012.

**Avraamides, M.N.**, Galati, A., Meneghetti, C., Pazzaglia, F., Daniel, M-P., & Denis, M. (2012). Reasoning about spatial relations in remote environments encoded through texts. Talk at the 13th European Workshop on Imagery and Cognition (EWIC), Bochum, Germany 20-22 June, 2012.

Pantelides, S., **Avraamides, M.N.**, & Kelly, J.W. (2012) Integrating spatial information across vision and language. Talk at the 13th European Workshop on Imagery and Cognition (EWIC), Bochum, Germany 20-22 June, 2012.

Neokleous, K. C., & **Avraamides, M.N.** (2011). Computational modeling of visual selective attention. Presentation at the 43rd Meeting of the European Brain and Behavior Society (EBBS), Sevilla, Spain. 9-12 September, 2011.

Galati, A., Michael, C., Greenauer, N., Mello, C., & **Avraamides, M.N.** (2011). How the conversational partner affects spatial memory and spatial descriptions. Talk given at the 17th European Society for Cognitive Psychology (ES COP), Donostia-San Sebastian, Spain.

**Avraamides, M.N.**, Galati, A., Meneghetti, C., Pazzaglia, F., & Denis, M. (2011). Spatial reasoning about remote environments encoded through narratives. Poster presented at the 17th European Society for Cognitive Psychology (ES COP), Donostia-San Sebastian, Spain.

Neokleous, K. C., **Avraamides, M. N.**, Neocleous, C. & Schizas, C. N. (2011). A multidisciplinary approach for studying visual selective attention. Presentation at the International Workshop on Attention and Perception, Nicosia, Cyprus. December 21, 2011.

Greenauer, N., Mello, C., **Avraamides, M.N.**, & Kelly, J.W. (2011). The influence of existing knowledge structures on the formation of integrated spatial memories. Poster presented at the 52<sup>nd</sup> Annual Meeting of the Psychonomic Society, Seattle, WA. November, 2011.

Adamou, C., Fanti, K. A., Kyranides, M., & **Avraamides, M.N.** (2011). Desensitization to media violence: Differences between premeditated and impulsive aggression. Poster presented at the 12th European Congress of Psychology (ICP), Istanbul, Turkey. July, 2011.

Pantelides, S. N., Mello, C., Greenauer, N., & **Avraamides, M. N.** (2011). Online updating of described and visually perceived targets. Poster presented at the 12th European Congress of Psychology (ICP), Istanbul, Turkey. July, 2011.

Greenauer, N., Mello, C., & **Avraamides, M.N.** (2010). Spatial reference frames reflect adaptive coding strategies: the role of encoding and retrieval context. The 12<sup>th</sup> European Workshop on Imagery and Cognition (EWIC2010), June 16-19, 2010.

Christou, C., Koushiou, M., Neokleous, K., & **Avraamides, M.N.** (2010). Perceptual load and attentional focus effects in a visual search task. Poster presented at the 12th European Congress of Psychology (ICP), Istanbul, Turkey. July, 2011.

Fanti, K. A. & **Avraamides, M. N.** (2010). Employing social information processing to understand the development of externalizing problems. Presented at the Transfer of Knowledge Conference of the European Social Cognition Network, Gothenburg, Sweden, August, 2010.

Greenauer, N., Mello, C., & **Avraamides, M. N.** (2010). Spatial reference frames reflect dynamic knowledge structures that develop over testing. Poster presented at the Spatial Behaviour and Linguistic Representation workshop, Hanse-Wissenschaftskolleg, Institute for Advanced Study (HWK), Germany. April 23-24, 2010.

Greenauer, N., Mello, C., & **Avraamides, M. N.** (2010). Integrating spatial information across experienced and non-experienced views. Talk given at the 4th Annual International Conference on Psychology, Athens, Greece. May, 2010.

Greenauer, N., Mello, C., **Avraamides, M.N.**, & Waller, D. (2010). Reference frames as dynamic knowledge structures: From egocentric to intrinsic. Poster presented at the 51th Annual Meeting of the Psychonomic Society, St. Louis, MO.

Kelly, J.W. & **Avraamides, M.N.** (2010). Cross-modal influence of reference frames in spatial memory. Talk presented at the 51th Annual Meeting of the Psychonomic Society, St. Louis, MO.

Kelly, J.W., **Avraamides, M.N.** & McNamara, T.P. (2010). Reference frames influence spatial memory development within and across sensory modalities. Talk presented at Spatial Cognition 2010, in Mt. Hood, OR.

Kyranides, M-N. & **Avraamides, M.N.** (2010). Exploring the nature of spatial representations for immediate and non-immediate environments: spatial updating and disorientation. Poster presented at The 12<sup>th</sup> European Workshop on Imagery and Cognition (EWIC2010), Helsinki, Finland, June 16-19, 2010.

Pantelides, S., Mello, C., Greenauer, N., & **Avraamides, M. N.** (2010). Spatial updating: are described objects automatically updated? Poster presented at The 12<sup>th</sup> European Workshop on Imagery and Cognition (EWIC2010), Helsinki, Finland, June 16-19, 2010.

Greenauer, N., Mello, C., & **Avraamides, M.N.** (2010). Spatial reference frames reflect adaptive coding strategies: The role of encoding and retrieval context. Talk at the 12th European Workshop on Imagery and Cognition (EWIC2010), Helsinki, Finland, June 16-19, 2010.

Greenauer, N., Mello, C., & **Avraamides, M.N.** (2010). Integrating spatial information across experienced and non-experienced views. Talk given at the 4th Annual International Conference on Psychology, Athens, Greece, May 2010.

Greenauer, N., Mello, C., & **Avraamides, M.** (2010). Spatial reference frames reflect dynamic knowledge structures that develop over testing. Poster presented at the Spatial Behavior and Linguistic Representation Collaborative Interdisciplinary Specialized Workshop, Delmenhorst, Germany, April 2010.

Theodorou, M., Agathokleous, A., Nicolaou, A., & **Avraamides, M. N.** (2009). Can people maintain imagined perspectives? International Workshop on Mental Imagery, Spatial Cognition, and Language in honour of Michel Denis, Padova, Italy, June 12, 2009.

Neokleous, K. C., **Avraamides, M. N.**, & Schizas, C. N. (2009). Using computational modeling to investigate the link between consciousness and attention. Talk presented at the Consciousness and its Measures COST conference, Limassol, Cyprus, Nov, 29-Dec.1, 2009.

**Avraamides, M.N.**, Kelly, J.W., & Kyranides, M. N (2008). Alignment effects in spatial reasoning about described scenes. 49<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, USA. November 13-16, 2008.

- Pantelides, S. N. & **Avraamides, M. N.** (2008). Does body orientation matter when reasoning about depicted or described scenes? Poster presented at the 12th Pan-Hellenic Psychology Research Conference, Volos-Greece, May 2008.
- Shimi, A., **Avraamides, M.N.**, & Fanti, K. (2008). The construct validity of the Santa Barbara sense of direction scale in the greek-cypriot population. XXIX International Congress of Psychology. Berlin, Germany, July 20-25.
- Fanti, K. A., & **Avraamides, M.** (2008). The development of aggressive and depressive problems from infancy to early adolescence. In K. A. Fanti (Session Chair), Psychopathology. Presented at the 1st meeting of Exeliktiki, Athens, Greece, May, 2008.
- Avraamides, M.N.** (2006). The effects of sensorimotor cues on spatial reasoning performance, *Cognitive Processing*, 7, S9-S10.
- Carlson, R.A., **Avraamides, M.N.**, Cary, M., & Strasberg, S. (2006). What do the hands externalize in simple arithmetic? *Paper presented at the 47th Annual Meeting of the Psychonomic Society*, Houston, Texas, November 18, 2006.
- Kelly, J., **Avraamides, M.N.**, & Loomis, J. M., Sensorimotor alignment effects when reasoning about immediate and non-immediate environments. *47th Annual Meeting of the Psychonomic Society*, Houston, Texas, November 18, 2006.
- Sofroniou, S. G., & **Avraamides, M. N.** (2005). The role of reference frames in imagined navigation. *Proceedings of the XIVth Meeting of the European Society for Cognitive Psychology*, Leiden, The Netherlands (August 2005)
- Ioannidou, L., & **Avraamides, M. N.** (2005). Imagined perspective-tasking in perceptual scenes: manual vs. verbal responding. *Proceedings of the XIVth Meeting of the European Society for Cognitive Psychology*, Leiden, The Netherlands (August 2005)
- Ioannidou, L., & **Avraamides, M. N.** (2005). Labeling and pointing from imagined viewpoints. *11th Biennial Conference EARLI*, Nicosia Cyprus (August 2005).
- Sofroniou, S. G., & **Avraamides, M. N.** (2005) Spatial Frameworks in imagined navigation. *11th Biennial Conference EARLI 2005*.
- Loomis, J. M., Klatzky, R. L., **Avraamides, M. N.**, & Lipka, Y. (2004). Functional Equivalence of Spatial Representations from Perception and Language. *In Invited Symposium: Putting Perspective in Things: The Role of Point of View in Spatial Reasoning. 45th Annual Meeting of the Psychonomic Society*, Minneapolis, Minnesota (November 2004).
- Riecke, B.E., Schulte-Pelkum, J., **Avraamides, M. N.**, von der Heyde, M & Bühlhoff, H.H Top-down influence on visually induced self-motion perception (vection) *7. Tübingen Perception Conference (TWK), 154.* (Eds.) H.H. Bühlhoff and H.A. Mallot and R. Ulrich and F.A. Wichmann, KnirschVerlag, Kirchentellinsfurt, Germany (January 2004).
- Riecke, B.E., Schulte-Pelkum, J., **Avraamides, M.N.**, von der Heyde, M & Bühlhoff, H.H (2004): The effect of cognition on the visually-induced illusion of self-motion (vection). *Annual Meeting of the Vision Sciences Society*, Sarasota, FL (May 2004).

**Avraamides, M. N.**, Loomis, J. M., Klatzky, R. L & Golledge, R. G.(2003). Judgments of allocentric relations in spatial configurations learned through vision and spatial language. *44<sup>th</sup> Annual Meeting of the Psychonomic Society*, Vancouver, BC, (November 2003).

**Avraamides, M. N.**, & Carlson R. A. (2002) Updating self-to-object relations in spaces learned from text. *43<sup>rd</sup> Annual Meeting of the Psychonomic Society*, Kansas City (November 2002).

Carlson, R. A., Stevenson, L. M, **Avraamides, M. N.** & Cassenti, D. N. (2002). The information-processing function of conscious intentions. *In Proceedings of the 23rd annual meeting of the Cognitive Science Society*, Mahwah, NJ: Lawrence Erlbaum.

Ritter, F. E., & **Avraamides, M. N.** (2002). Task analysis of cognitive model interfaces. *In Proceedings of the 22nd Soar Workshop*, 33-34, Ann Arbor, Michigan.

Ritter, F. E., **Avraamides, M. N.**, Councill, I., Quigley, K. S., Klein, L. C., McNeese, M. D., Rooy, D.V., Stine, M. M., & Rodrigues, I. M. (2002). Modeling the effects of two behavior moderators in ACT-R. *In Air Force Workshop on ACT-R Models of Human-System Interaction*, Mesa, AZ, January 2002.

Ritter, F. E., **Avraamides, M. N.**, Councill, I., Quigley, K. S., Klein, L. C., McNeese, M. D., Rooy, D.V., Stine, M. M., & Rodrigues, I. M. (2002). Including Behavioral Moderators in the ACT-R Cognitive Architecture: The Effects of appraisal and caffeine as an example. *Office of Naval Research Workshop on Cognitive Architectures*.

## Reviewing

### ▪ Funding bodies:

- European Research Council (ERC) Starting Grants (SH4 panel expert member) for 2014 and 2016 calls.
- COST Actions: ISCH expert panel (2012-2014), Review Panel member for 2016.
- European Commission, Marie Skłodowska-Curie Action (MSCA) grants: invited expert for the 2016 ECO-SOC panel.
- National Agencies: National Science Foundation (NSF) USA, the ETH Zurich Research Commission (Switzerland), the Research Foundation Flanders (Belgium), State Research Agency - AEI (Spain; Severo Ochoa & Maria De Maeztu 2017 calls), la Caixa Foundation (Portugal), Research Council of Lithuania.

- **Journals:** Neuroimage, Cognition, Experimental Brain Research, Perception, Psychonomic Bulletin & Review, Perception & Psychophysics, Spatial Cognition & Computation, Psychological Research, Memory & Cognition, Quarterly Journal of Experimental Psychology, Educational Review, Psychological Research, Journal of Experimental Psychology: Learning, Memory, & Cognition, Brain and Cognition, Educational Research Review, Learning and Individual Differences, Acta Psychologica, PLoS One, Cognitive and Behavioral Neurology, Frontiers in Human Neuroscience, Cognitive Science, Journal of Environmental Psychology.

- **Conferences:** Annual meetings of the Cognitive Science Society (meta-reviewer), Spatial Cognition series, Transfer of Knowledge workshops (ESCON2/ESF)
- **Publishers:** Oxford University Press

## Teaching

- Cognitive Psychology I
- Memory (graduate and undergraduate)
- Cognitive Psychology II: Attention & Perception
- Graduate seminar on Attention and Perception
- Experimental Psychology (graduate and undergraduate)

## Academic Supervision

### CURRENT SUPERVISION

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#### *Post-doctoral scientists*

- Kyraiki Mikellidou (Marie Curie Fellow)
- Dr. Stephanie Pantelides (Didaktor Fellow)

#### *Doctoral students*

- Marianna Pagkratidou
- Maria Photiou
- Miria Plastira
- Adamos Pantoniou
- Christodoula Gavriel
- Vladislava Segen (at Bournemouth University, UK)

### PAST POST-DOC AND GRADUATE SUPERVISION

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- 2015-2018 Alexia Galati (Marie Curie Fellow; outgoing at UC Merced)
- 2014-2018. Christos Michaelides (PhD)
- 2012-2015 Alexia Galati (Post-doc)
- 2012-2017 Adamantini Hatzipanayioti (PhD)
- 2014-2017 Savvas Avraam (MA), Armandos Evripidou (MA)
- 2014-2015 Kleanthis Neokleous (post-doc), Miria Plastira (MA), Eirini Diakoulaki (MA), Chystalla Zarouna (MA)
- 2010-2014 Stephanie Pantelides (Phd)
- 2010-2011 Christina Adamou (MA), MikaellaSarrou (MA), MikaellaSiamata (BA), Andri Agathokleous (BA)
- 2009-2011: Dr. Nathan Greenauer (post-doc), Dr. Catherine Mello (post-doc). Now both faculty at the Pennsylvania State University.
- 2009-2010: Stephanie Pantelides (MA), Marios Theodorou (BA)
- 2008-2009: Melina-Nicole Kyranidou (MA), ChristotheaPapadopoulou (MA), CharaDemetriou (BA), MikaellaSarrou (BA)

- 2007-2008: Maria Koushiou (MA), Stephanie Pantelidou (BA)
- 2006-2007: Anna Sofokleous (BA), Georgia Georgiou (BA)
- 2005-2006: Melina-Nicole Kyranides (BA)
- 2004-2005: Louisa Ioannidou (BA)

## EXTERNAL EXAMINER AT OTHER DEPARTMENTS

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- Nadia Paraskevoudi (MSc in Cognitive Science – University of Athens)
- Androniki Ioannou (MSc in Nursing – Cyprus University of Technology)
- Tommaso Ferraco (MSc in Psychology – University of Padova)
- Fotis Fotiades (PhD in Psychology – University of Athens)
- Olivier Antoine Jules de Condappa (PhD in Psychology – Bournemouth University)
- Kleanthis Neokleous (PhD in Computer Science- University of Cyprus)
- Aris Kleanthous (PhD in Computer Science- University of Cyprus)
- Elenitsa Kitromilides (PhD in Cognitive Developmental Psychology – Université Pierre Mendès-France Grenoble II)

## Funding

### CURRENT FUNDING

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- Peripheality: Exploring the function of peripheral vision in humans using virtual reality. 9/2018-8/2020. Agency: European Commission - Marie Skłodowska-Curie. Amount: 151,648€ (Scholar: K.Mikellidou, **PI: M. Avraamides**)
- RISE - Research centre on Interactive media, Smart systems and Emerging technologies. Contract to be signed. Agency: European Commission H2020-WIDESPREAD-2014. Amount: 14,999,528€, Total budget: 43,778,527€. (PI: Nicosia Municipality)
- Investigating spatial integration across sensory modalities and language. 1/11/2018-31/10/2021. Agency: Cyprus Research Promotion Foundation. Amount: 119,724€ (PI: S. Pantelides).
- Social and environmental influences on geographical knowledge. [contract to be signed]. Agency: Cyprus Research Promotion Foundation. Amount: 149,821€ (**PI: M. Avraamides**).
- Spatial updating and domain expertise: the case of dancers. [contract to be signed]. Agency: Cyprus Research Promotion Foundation. Amount: 149,940€ (**PI: M. Avraamides**).
- EnterCY: ENhancing Tourist ExpeRience in CYprus - An integrated platform for promoting Cyprus. [contract to be signed]. Agency: Cyprus Research Promotion Foundation. Amount: 998,193€ (PI: H.Papadopoulos).

## PAST FUNDING

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- Unravelling perspective-taking: Examining the influence of multiple constraints on perspective selection and multimodal behavior through a dynamical systems approach. 8/2016-7/2019. Agency: European Commission - Marie Skłodowska-Curie. Amount: 253,995€ (Scholar: A.Galati, **PI: M.Avraamides**)
- Virtual Environments for social skills training. 4/2015-10/2016. Agency: ERC-Proof of Concept. Amount: 150,000€ (**PI: M. Avraamides**).
- Research Center in Interactive Media, Smart Systems, and Emerging Technologies (RISE), 1/6/2015 – 31/5/2016. Agency: European Commission H2020-WIDESPREAD-2014. Amount: 500,000€ (PI: Nicosia Municipality)
- Integration of spatial information within and across modalities, 2/1/2013-30/6/2015, Agency: University of Cyprus-Internal Grant. Amount: 70,000€. (**PI: M. Avraamides**)
- Examining the neural correlates of spatial interference effects. 10/11 (duration: 3.5 years) Agency: Cyprus Research Promotion Foundation. Amount: 99,890€ (**PI: M. Avraamides**)
- Virtual Environments in Construction and Interior Design. 7/2013-6/2014. Agency: ERC Proof of Concept Amount: 120,000€ (**PI: M. Avraamides**).
- Multiple systems of spatial memory: their role in reasoning and action.10/2008-6/2013 Agency: European Research Council. Amount: 500,000€ (**PI: M. Avraamides**)
- Spatial ability and geometrical thinking development, 9/2010-8/2012, Agency: University of Cyprus internal grant.75,000€ (PI: A. Gagatsis)
- Spatial Memory for linguistically-encoded environments. 12/2008-12/2010, Agency: Cyprus Research Promotion Foundation. Amount: 80,000€ (**PI: M. Avraamides**)
- A multidisciplinary approach for investigating selective attention. 12/2008-12/2010, Agency: Cyprus Research Promotion Foundation. Amount: 80,000€ (**PI: M. Avraamides**)
- ADHD Risk and protective developmental processes. 5/2009-5/2011, Agency: Cyprus Research Promotion Foundation. Amount: 80,000€ (PI: K. Fanti)
- Desensitization to media violence, 4/2010-3/2012, Agency: University of Cyprus internal grant. 88,000€ (PI: K.Fanti)
- The role of emotional intelligence in bullying. Agency: Cyprus Research Promotion Foundation (New Scientist Grants). Amount: 57,000€ (New Scientist: A.Shimi, **PI: M. Avraamides**)

## CONFERENCE ORGANIZATION

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- The 19<sup>th</sup> Conference of the European Society for Cognitive Psychology (ESCOP 2015). Pafos, Cyprus. September 2015 (Attendance: 759 participants)

- The 14th European Workshop on Imagery and Cognition (EWIC 2014). Pafos, Cyprus. June 2014 (Attendance: 111 participants)

## **WORKSHOPS**

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- Computer Vision Methods for Health & Psychiatric Applications workshop (co-organizer), July 21, 2017. University of Cyprus.

## **SYMPOSIA**

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- Spatial Cognitive and Navigation symposium (organizer). European Conference for Cognitive Psychology, Postdam, September 2017.

## **SCIENCE COMMUNICATION**

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- Organizer of the Nicosia Café Scientifique lecture series aimed at communicating scientific output to the public.