

TİLBE GÖKSUN

Full Name: Tilbe Göksun Yörük

Work Addresses: Department of Neurology
The University of Pennsylvania
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EMPLOYMENT

2010 August - Postdoctoral Researcher in the Department of Neurology
Center for Cognitive Neuroscience and Spatial Intelligence and Learning Center
The University of Pennsylvania, Philadelphia, PA
Advisor: Anjan Chatterjee

EDUCATION

2010 Ph.D. in Developmental Psychology
Temple University, Philadelphia, PA
Advisor: Kathy Hirsh-Pasek
Committee: Nora Newcombe, Peter Marshall, Kim Curby, Jason Chein
Roberta M. Golinkoff (University of Delaware)

2005 M.A. in Developmental Psychology
Koç University, Istanbul, Turkey
Advisor: Aylin Küntay, Koç University, Istanbul, Turkey
Committee: Letitia Naigles (University of Connecticut),
Aslı Özyürek (Max Planck Institute for Psycholinguistics)

2002 B.A. in Psychology (with honors)
Boğaziçi University, Istanbul, Turkey

RESEARCH INTERESTS

Neural correlates of event perception, spatial language, and causal language (in healthy and brain-damaged adults and children), the link between event perception and language learning (e.g., figure-ground, path-manner, force dynamics), the role of gesture in language learning and in cognitive processes, space and number

DISSERTATION and THESIS

Göksun, T. (2010). The who and where of events: Infants' processing of figures and grounds in nonlinguistic dynamic events. Unpublished Dissertation, Temple University, Philadelphia, PA.

Göksun, T. (2005). Comprehension of verbs in different syntactic frames by Turkish children. Unpublished Masters Thesis, Koc University, Istanbul, Turkey.

PUBLICATIONS

Peer-reviewed Journal Articles

- Pruden, S. M., Roseberry, S., **Göksun, T.**, Hirsh-Pasek, K., & Golinkoff, R. M. (in press). Infant categorization of path relations during dynamic events. *Child Development*.
- Pruden, S. M., **Göksun, T.**, Roseberry, S., Hirsh-Pasek, K., & Golinkoff, R. M. (in press). Find your manners: How do infants detect the invariant manner of motion in dynamic events? *Child Development*.
- Roseberry, S., **Göksun, T.**, Hirsh-Pasek, K., & Golinkoff, R.M. (in press). Carving categories in a continuous world: Preverbal infants discriminate categorical changes before distance changes in dynamic events. *Spatial Cognition and Computation*.
- Göksun, T.**, Hirsh-Pasek, K., Golinkoff, R. M., Imai, M., Konishi, H., & Okada, H. (2011). Who is crossing where?: Infants' discrimination of figures and grounds in events. *Cognition*, 121, 176-195.
- Göksun, T.**, Hirsh-Pasek, K., & Golinkoff, R. M. (2010). How do preschoolers express cause in gesture and speech? *Cognitive Development*, 25, 56-68.
- Göksun, T.**, Hirsh-Pasek, K., & Golinkoff, R. M. (2010). Trading Spaces: Carving up events for learning language. *Perspectives on Psychological Science*, 5, 33-42.
- Göksun, T.**, Küntay, A., & Naigles, L. (2008). Turkish children use morphosyntactic bootstrapping in interpreting verb meaning. *Journal of Child Language*, 35, 291-323.

Book Chapters, Book Reviews, and Conference Proceedings

- Göksun, T.**, Roeper, T., Hirsh-Pasek, K., & Golinkoff, R. M. (2011). From nounphrase ellipsis to verbphrase ellipsis: The acquisition path from context to abstract reconstruction. In J. Harris and M. Grant, (Eds.) *University of Massachusetts Occasional Working Papers in Linguistics 38: Processing Linguistic Structure, Vol. 38*, (pp. 53-74). Amherst, MA: GLSA.
- Göksun, T.**, Hirsh-Pasek, K., & Golinkoff, R. M. (2009). Processing figures and grounds in dynamic and static events. In J. Chandlee, M. Franchini, S. Lord, & G. Rheiner (Eds.), *Proceedings of the 33rd Annual Boston University Conference on Language Development*, (pp. 199-210). Somerville, MA: Cascadilla Press.
- Roseberry, S., **Göksun, T.**, & Hirsh-Pasek, K. (2009). In season? A review of Katherine Nelson's *Young minds in social worlds*. *Journal of Child Language*, 36, 225-233.
- Göksun, T.** (2009). A review of "The categorization of spatial entities in language and cognition". *International Cognitive Linguistics Ass.* (<http://www.cogling.org/Reviews/aurague.shtml>)
- Naigles, L., Küntay A., **Göksun, T.**, & Lee, J. (2006). Language specific properties influence children's acquisition of argument structure. In D. Bamman, T. Magnitskaia, & C. Zaller (Eds.), *Proceedings of the 30th Annual Boston University Conference on Language Development* (pp. 388-398). Somerville, MA: Cascadilla Press.

Manuscripts Under Review/Under Revision/In Preparation

- Göksun, T.**, Woods, A.J., Chatterjee, A. Zelonis, S. J., Glass, L., & Smith, S., (under review). Elementary school children's biases in physical and numerical space.
- Göksun, T.**, George, N., Hirsh-Pasek, K., & Golinkoff, R. M. (under review). Forces and Motion: Causal understanding of preschoolers.

Göksun, T., Goldin-Meadow, S. Newcombe, N., & Shipley, T. F. (ms. in preparation). Verbal and gestural problem solving strategies in a mental rotation task.

Woods, A.J., **Göksun, T.**, Chatterjee, A. Zelonis, S. J., Glass, L., Mehta, A. & Smith, S. (ms. in preparation). The development of organized visual search.

PRESENTATIONS

George, N., **Göksun, T.**, Hirsh-Pasek, K., & Golinkoff, R. M. (2012, June). Forcing the issue: Testing force dynamics theory in early childhood. Poster submitted to the XVIIIth International Conference on Infant Studies, Minneapolis, MI.

Göksun, T., Lehet, M., Malykhina, K., & Chatterjee, A. (2012, April). (Dis)associations between speech and gesture in naming spatial relations. Poster to be presented at the 19th Cognitive Neuroscience Conference, Chicago, IL.

Göksun, T., Woods, A.J., Chatterjee, A. Zelonis, S. J., Glass, L., & Smith, S. (2011, October). *The representation of mental number line in children with prenatal brain injury*. Poster presented at the Cognitive Development Society Conference, Philadelphia, PA.

Resnick, I., Atit, K., **Göksun, T.**, & Shipley, T. (2011, July). *Experts' and novices' use of gesture in explaining geologic maps*. Poster presented at the 33rd Annual Meeting of Cognitive Science Society, Boston, MA.

Göksun, T., Ash, S., Grossman, M., & Chatterjee, A. (2011, April). *In a manner of speaking: Narration in frontotemporal dementia*. Poster presented at the 18th Cognitive Neuroscience Conference, San Francisco, CA.

Göksun, T. & Chatterjee, A. (2011, March). *Talking about space: Focal brain damaged adults' spatial language production*. Poster presented at the 4th Annual Inter-Science of Learning Center Student and Post-Doc Conference, Washington, DC.

George, N., **Göksun, T.**, Hirsh-Pasek, K., & Golinkoff, R. M. (2011, March). *Children's use of causal verbs*. Poster presented at the 4th Annual Inter-Science of Learning Center Student and Post-Doc Conference, Washington, DC.

Göksun, T., Roeper, T., Hirsh-Pasek, K., & Golinkoff, R. M. (2010, September). *Nounphrase ellipsis within verbphrase ellipsis: Hidden prolicenses context reference*. Poster presented at Generative Approaches to Language Acquisition North America Conference, Toronto, Canada.

Göksun, T., Ferrara, K., Richie, R., & Hirsh-Pasek, K. (2010, May). *Forces and motion: Exploring children's spatial computation and causal understanding*. Paper presented at the 3rd Annual Inter-Science of Learning Center Student and Post-Doc Conference, Boston, MA.

Austin, S. *, **Göksun, T.**, Hirsh-Pasek, K., & Golinkoff, R. M. (2010, April). *Infants' discrimination of inanimate figures and grounds in dynamic scenes*. Poster presented at the Conference on Human Development, New York, NY.

Göksun, T., Ferrara, K., Winslow, C. *, George, N., Hirsh-Pasek, K., & Golinkoff, R. M. (2010, March). *Forces and Motion: How Young Children Understand Causal Events*. Poster presented at the XVIIth International Conference on Infant Studies, Baltimore, MD.

Göksun, T., Tynan, E., Roseberry, S., George, N., Ferrara, K., Stahl, A., Hirsh-Pasek, K., & Golinkoff, R. M. (2010, March). *A new angle to infant causality*. Poster presented at the XVIIth International Conference on Infant Studies, Baltimore, MD.

- Austin, S. *, **Göksun, T.**, Hirsh-Pasek, K., & Golinkoff, R. M. (2010, March). *What is in an event? Infants' discrimination of inanimate figures on grounds in dynamic scenes*. Poster presented at the XVIIth International Conference on Infant Studies, Baltimore, MD.
- Roseberry, S., **Göksun, T.**, Hirsh-Pasek, K., Golinkoff, R. M., & Misitzis, Y. (2010, March). Categorization of space: Relational and distance changes in dynamic events. Paper presented in S. Roseberry and **T. Göksun** (chairs) *When representational systems collide: Aligning space and language*. The XVIIth International Conference on Infant Studies, Baltimore, MD.
- Fitzhugh, S. L., **Göksun, T.**, Goldin-Meadow, S., Newcombe, N., & Shipley, T. F. (2009, November). *Insights into mental transformations: Combining gesture, speech, and eye movements to understand mental rotation*. Poster presented at the 50th Annual Meeting of Psychonomics, Boston, MA.
- Göksun, T.**, Hirsh-Pasek, Imai, M., Konishi, H., & Golinkoff, R. M. (2009, November). *The "Where" of events: How do English- and Japanese-reared infants discriminate grounds in dynamic events?* Paper presented at the 34th Boston University Conference on Language Development, Boston, MA. [Received Jean Berko Gleason Award for the Best Student Paper]
- Göksun, T.**, Austin, S. *, Hirsh-Pasek, K., Roseberry, S., & Golinkoff, R. M. (2009, October). *Categorization of grounds in dynamic events*. Poster presented at the Cognitive Development Society Conference, San Antonio, TX.
- Göksun, T.**, Hirsh-Pasek, K., Fisher, K., Misitzis, Y., Ferrara, K., & Golinkoff, R. M. (2009, April). *Forces are in action: Causal understanding of preschoolers*. Poster presented at the Society for Research on Child Development, Denver, CO.
- Göksun, T.**, Hirsh-Pasek, K., Golinkoff, R. M., Shallcross, W. L., Misitzis, Y., & Hafri, A. (2009, April). *How do preschoolers express cause in gesture and speech?* Poster presented at the Society for Research on Child Development, Denver, CO.
- Roseberry, S., **Göksun, T.**, Hirsh-Pasek, K., Newcombe, N., Golinkoff, R. M., Novack, M. *, & Brayfield, R. * (2009, April). *Individual differences in early event perception predict later verb learning*. Poster presented at the Society for Research on Child Development, Denver, CO.
- Göksun, T.**, Roseberry, S., Hirsh-Pasek, K., & Golinkoff, R. M. (2009, April). *When is a path not a path? Spatial relationships account for infants' processing of path and manner*. Poster presented at the Society for Research on Child Development, Denver, CO.
- Roseberry, S., **Göksun, T.**, & Hirsh-Pasek, K. (2009, February). *When is a path not a path? Infant path categorization disappears in the absence of a ground object*. Poster presented at the 2nd Annual Inter-Science of Learning Center Student and Post-Doc Conference, Seattle, WA.
- Göksun, T.** (2008, November). *Processing figures and grounds in dynamic and static events*. Paper presented at 33rd Boston University Conference on Language Development, Boston, MA.
- Göksun, T.**, Hirsh-Pasek, K., Golinkoff, R. M. (2008, July). Figure and Ground: Conceptual primitives for processing events. Paper presented in **T. Göksun** & S. Pruden (chairs), *Foundations for learning relational terms: What is in an event*. Symposium at the 11th International Congress for the Study of Child Language, Edinburgh, Scotland.
- Roseberry, S., **Göksun, T.**, Hirsh-Pasek, K., Shallcross, W.L., & Golinkoff, R. M. (2008, March). *Where you're going trumps what you're doing: Infants prefer paths over manners in dynamic displays*. Poster presented at the XVIth International Conference on Infant Studies, Vancouver, Canada.
- Shallcross, W.L., **Göksun, T.**, Golinkoff, R. M., Hirsh-Pasek, K., Lloyd, M., Newcombe, N., & Roseberry, S. (2008, March). *Building talk: Parental utterances during construction play*. Poster presented at the XVIth International Conference on Infant Studies, Vancouver, Canada.

- Göksun, T.**, Hirsh-Pasek, K., Roseberry, S., Golinkoff, R. M. (2008, March). Processing events and learning relational terms: Figures are more prominent than Grounds. Paper presented in S. Pruden, & **T. Göksun** (chairs), *Conceptual primitives for processing events and learning relational terms*. Symposium at the XVIth International Conference on Infant Studies, Vancouver, Canada.
- Roseberry, S., Hirsh-Pasek, K., Golinkoff, R. M., & **Göksun, T.** (2008, March). *Distance categorization: Do relations matter?* Paper presented at the 79th Annual Eastern Psychological Association, Boston, MA.
- Parish-Morris, J., **Göksun, T.**, Hirsh-Pasek, K., Golinkoff, R. M., & Richardson, A. (2007, June). *Talking books: What kind of parental talk do they promote?* Paper presented at Jean Piaget Society Conference, Amsterdam, Holland
- Göksun, T.**, Jones, M. C., Hirsh-Pasek, K., Roeper, T., Golinkoff, R. M., & Roseberry, S. (2007, March). *Finding the missing piece: Ellipsis as a clue to grammatical development*. Poster presented at Society for Research on Child Development, Boston, MA.
- Göksun, T.**, Jones, M. C., Hirsh-Pasek, K., Roeper, T., & Golinkoff, R. M. (2006, April). *What's missing? Sensitivity to Ellipsis Signals Grammatical Categories*. Paper presented at the Conference on Human Development, Louisville, KY.
- Naigles, L., Küntay A., **Göksun, T.**, & Lee, J. (2005, November). *Language specific properties influence children's acquisition of argument structure*. Poster presented at 30th Boston University Conference on Language Development.
- Göksun, T.**, Küntay A., & Naigles, L. (2005, July). *Development of comprehension of (in)transitivity in Turkish: An act-out study*. Poster presented at 10th International Congress for the Study of Child Language, Berlin, Germany.
- Özyürek, A., Goldin-Meadow, S., Gürcanli, Ö, & **Göksun, T.** (2005, July) *Gestural expressions of motion events with and without a language*. Paper presented at 10th International Congress for the Study of Child Language, Berlin, Germany.

* Denotes undergraduate student

INVITED TALKS

- Göksun, T.** (2012, February). *The role of gestures on cognitive processes*. Carnegie Mellon University, Pittsburg, PA.
- Göksun, T.** (2011, December). *Trading spaces: Early interactions between language and thought*. Isik University, Istanbul, Turkey.
- Göksun, T.** (2011, March). *Bringing together diverse research perspectives in the domain of learning*. Invited discussant talk at the 4th Annual Inter-Science of Learning Center Student and Post-Doc Conference, Washington, DC.
- Göksun, T.** (2009, December). *Trading spaces: Carving up the continuous events for learning language*. Koç University, Istanbul, Turkey.
- Göksun, T.** (2008, July). *Figure and Ground: Foundational components for processing events and learning relational terms*. Koç University, Istanbul, Turkey.
- Hirsh-Pasek, K., Golinkoff, R. M., & **Göksun, T.** (2008, June). *Trading spaces: when language meets universal components in events*. Paper presented at the Spatial Language Conference, Chicago, IL.

Golinkoff, R. M., Hirsh-Pasek, K., **Göksun, T.**, Roseberry, S., Pulverman, R., Pruden, S. (2008, April). *Foundations of verb learning: How infants view motion events*. Paper presented at Princeton University Mini-Conference on Language Acquisition (organizer: A. Goldberg).

GRANTS, HONORS, & AWARDS

Cross-Science of Learning Centers Collaborative Mini Grant, “Gesture and STEM learning: Assessing gesture’s role in understanding geosciences”
(Bryan Matlen, Tilbe Göksun, Kinnari Atit), \$6000 (2011-2012)

Jean Berko Gleason Best Student Paper Award at the Boston University Language Conference (2009)

Certificate of Merit in Teaching, Temple University (2007)

Koç University Vehbi Koç Competitive Full Scholarship (2003-2005)

Boğaziçi University Dean’s Honor Roll in Graduation (2002)

Society for Research in Child Development Travel Award (2009)

International Congress for the Study of Child Language (IASCL) Competitive Travel Award (2005, 2008)

Temple University College of Liberal Arts Graduate Student Travel Award (2006, 2008, 2009)

Boston University Language Conference Paula Manyuk Competitive Travel Award (2005)

TEACHING EXPERIENCE

Instructor

- *Developmental Psychology*
Temple University, Department of Psychology
Summer 2006 and Summer 2010
- *Topics in Psychology: Language Development*
Temple University, Department of Psychology
Summer 2009

Teaching Assistant

- *Developmental Psychology*
Temple University, Department of Psychology
Fall 2005; Spring 2006; Spring 2007; Fall 2007; Spring 2008
- *Introduction to Psychology*
Koç University, Department of Psychology
Fall 2004; Spring 2005

Guest Lecturer/Speaker

Professional Development Seminar, Department of Psychology, Temple University (Instructor: Dr. Robert Weisberg).

Infancy course “Early Language Development”, Department of Psychology, Temple University (Instructor: Isabella Lanza).

Guest lecturer to Developmental Psychology course “Language Development”, Department of Psychology, Temple University (Instructor: Shari Jager-Hyman).

Developmental Psychology course “Early Cognitive Development”, Department of Psychology, Temple University (Instructor: Julia Parish-Morris).

Mentoring

- Research mentor to an undergraduate, University of Pennsylvania (June 2011 – present)
- Stacey Austin, Temple University
Undergraduate Honors Thesis (2009 January – 2010 May)
- Haruka Konishi, Keio University & Temple University Japan
Research Mentor for the “Ground Discrimination Study” in Japan (2008 August – 2009 September)
- Research Mentor to five undergraduate students, four summer interns, and one high-school student
Temple Infant Lab (2006 – 2010)

Teaching Interests*General Courses*

- Developmental Psychology
- Cognitive Psychology
- Research Methods
- Cognitive Neuropsychology

Specific Courses

- Infancy
- Language and Thought
- Language and Cognitive Development
- Developmental Cognitive Neuroscience

PROFESSIONAL SERVICE

Symposium Organization

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|------|---|
| 2009 | When representational systems collide: Aligning space and language. XVII th International Society on Infant Studies, Baltimore, MD (co-organized with Sarah Roseberry). |
| 2008 | Foundations for processing events and learning relational terms. 11 th International Congress for the Study of Child Language, Edinburgh, Scotland (co-organized with Shannon Pruden). |
| 2008 | Conceptual primitives for processing events and learning relational terms. XVI th International Society on Infant Studies, Vancouver, Canada (co-organized with Shannon Pruden). |

Service to Profession

Ad-hoc Journal Reviewer

Child Development, Cognition, Cognitive Science, Infant and Child Development, Journal of Child Language

Conference Reviewer

Inter-Science of Learning Center Student and Post-Doc Conference (2010, 2011)
Philadelphia Area Psi Chi Research Day Judge (2010)

Service to the Department of Psychology

- | | |
|------|---|
| 2008 | Graduate Student Representative on Admissions Committee,
<i>Developmental Area</i> , Department of Psychology, Temple University |
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- 2007 – 2009 Representative of Developmental Psychology Graduate Students,
Department of Psychology, Temple University
- 2006 – 2007 In the Organization Committee for PhD applicants,
Developmental Area, Department of Psychology, Temple University
- 2000 – 2001 Representative of Psychology Students in the Student Orientation Program,
Department of Psychology, Boğaziçi University

Professional Affiliations

Cognitive Neuroscience Society
Cognitive Development Society
International Society on Infant Studies

Other Activities

- 2001 – 2005 Mentor of an at-risk child in Big Brothers-Big Sisters program of Turkey
- 2002 – 2005 Volunteer activities in various non-governmental organizations (Educational Volunteers Foundation of Turkey, Institution for the Protection of Homeless Children, and Development of Social and Cultural Life)
- 2001 Internship at the Marmara University Hospital, Department of Psychiatry
- 2000 - 2002 In the editorial board of *Catharsis*, Boğaziçi University's national student journal of psychology
- 1999 - 2002 Worked and volunteered in ACEV (Mother-Child Education Association, NGO) Istanbul/Turkey

LANGUAGE SKILLS

Turkish (native), English (fluent), French (Intermediate)

REFERENCES

Anjan Chatterjee, M.D. (post-doc advisor)
Department of Neurology
University of Pennsylvania
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Philadelphia, PA 19104
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Roberta M. Golinkoff, Ph.D.
H. Rodney Sharp Professor
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Kathy Hirsh-Pasek, Ph.D. (graduate advisor)
The Debra and Stanley Lefkowitz Faculty Fellow
Department of Psychology
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Nora S. Newcombe, Ph.D.
James H. Glackin Distinguished Faculty Fellow
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