CURRICULUM VITAE AND LIST OF PUBLICATIONS

Professor Daniel Fitousi

Updated: November 2026

Personal Details

Professor Daniel Fitousi

Education

Undergraduate and Graduate Studies

Ph.D., 2004-2007, Tel Aviv University, Department of Psychology. Supervisor: Prof. Daniel Algom. Dissertation: "Automatic and Controlled Processes in the Perception of Two-Digit Numbers."

M.A., 1998-2002, Ben-Gurion University, Department of Psychology. Supervisor: Prof. Avishai Henik. Thesis: "Stop Signal and Inhibition of Return."

B.A., 1992-1995, Ben-Gurion University, Behavioral Sciences, summa cum laude.

Postdoctoral Studies

2010-2011, Duke-NUS Graduate Medical School, Singapore. Neurobiology of perception.

2007-2010, Pennsylvania State University, USA. Mathematical psychology.

Academic Ranks and Tenure in Institutes of Higher Education

2023-present, Ariel University, Associate Professor, tenure track.

2019-2023, Ariel University, Senior Lecturer, tenure track.

2017-2019, Ariel University, Senior Lecturer.

2012-2017, Ariel University, Lecturer.

2010-2011, Duke-NUS Graduate Medical School, Postdoctoral Fellow.

2007-2010, Pennsylvania State University, Postdoctoral Fellow.

2006-2007, Tel Aviv University, Department of Psychology, Doctoral Teaching Fellow, Sensation and Perception (B.A. students).

2003-2004, Open University of Israel, Department of Psychology and Education, Lecturer, Cognitive Psychology (B.A. students).

2003-2005, Open University of Israel, Department of Psychology and Education, Thesis Supervisor.

2003-2007, University of Derby, Israel branch, Cognitive Module Leader.

2001-2002, Ben-Gurion University, Lecturer, Statistics (B.A. students).

Professional Activities

Positions in Academic Administration

2022-2026 Head of the Departmental Ethics Committee.

2018-2019, Head of the M.A. Program in Psychology, Ariel University.

2015-2017, Organizer of the annual seminar conference, Ariel University.

2013-2015, Member of the Teaching Committee, Department of Behavioral Sciences, Ariel University.

Professional Functions outside Universities/Institutions

2026, External grant reviewer, Leverhulme Trust, United Kingdom

2024, Reviewer, Ph.D. examination, University of Melbourne, Australia.

2022, Reviewer, Israel Science Foundation (ISF).

2020, Reviewer, Ph.D. examination, University of Newcastle, Australia.

2017, Reviewer, German-Israeli Foundation (GIF).

Significant Professional Consulting

Ad hoc reviewer for the following journals:

Psychological Review; Cognitive Psychology; Scientific Reports; Psychonomic Bulletin & Review; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Quarterly Journal of Experimental Psychology; Journal of Experimental Social Psychology; Journal of Memory and Language; Journal of Mathematical Psychology; Acta Psychologica; Cognition; Attention, Perception & Psychophysics; Experimental Psychology; American Journal of Psychology; Journal of Cognitive Psychology; The Quantitative Methods for Psychology (TQMP); PLOS ONE; Cognitive Science; Philosophical Psychology; Frontiers in Psychology; Cognition & Emotion; Cognitive Processing; Proceedings of the Royal Society A; i-Perception; Perception; Visual Cognition; Behavior Research Methods; PLOS Computational Biology; Consciousness and Cognition; Psychological Research. New Ideas in Psychology. Humanities and Social Sciences Communications; Cortex.

Membership in Professional/Scientific Societies

2007-2010, Member, Vision Sciences Society (VSS).

2002-present, Member, International Society for Psychophysics (ISP).

2007-present, Member, Configural Processing Consortium (CPC).

2013-present, Member, Psychonomic Society.

2013-present, Member, Association for Psychological Science (APS).

2015-present, Member, Israel Society of Cognitive Psychology (ISCOP).

Educational Activities

Courses Taught in Recent Years

2020-present, Attention and Perceptual Organization, graduate level, Ariel University.

2012-present, Introduction to Statistics, undergraduate level, Ariel University.

2012-present, Introduction to Psychology, undergraduate level, Ariel University.

2012-present, Cognitive Psychology, undergraduate level, Ariel University.

2012-present, Seminar Work, undergraduate level, Ariel University.

Supervision of Research Students

Year	Student	Degree	Project title	University/Institution
2026	Tamir Kobaianov	Ph.D.	Domain Generality and Specificity of Metacognition in Face Perception	Ariel University
2025	Ruslana Noriditsky	Ph.D.	The metacognition of emotion perception	Ariel University
2025	Daniel Zelevski	M.A.	Image variability and the other-race effect	Ariel University
2025	Hadar Shlomovitch	M.A.	Averaging of symbolic numbers	Ariel University
2024	Tamir Kobaianov	M.A.	The capacity of averaging emotions	Ariel University
2021	Avishai Shimon	M.A.	The impact of facial expression on perceived age	Ariel University
2020	Karin Anchel	M.A.	Levels of processing in face perception	Ariel University
2019	Ran Neuman	M.A.	The perception of fractions	Ariel University
2018	Tal Weil	M.A.	Interaction between age and gender in unfamiliar faces	Ariel University
2018	Hanan Laikov	M.A.	Interaction between race and age in unfamiliar faces	Ariel University
2018	Roni Segal	M.A.	Dimensional relations between facial race and gender	Ariel University
2016	Rachel Hasid	M.A.	Simon and Garner effects in the vertical axis	Ariel University
2016	Navit Asayg	M.A.	Cognitive control and the Simon effect	Ariel University

Awards, Citations, Honors, and Fellowships

2026, British Psychological Society Cognitive Psychology Section Annual Award, awarded for the paper Kramer, R. S., Jones, A. L., & **Fitousi, D.** (2025), "Face familiarity and similarity: Within- and between-identity representations are altered by learning," published in *Journal of Experimental Psychology: Human Perception and Performance*.

2026-2030, Israel Science Foundation (ISF) Grant, 548,000 NIS total (137,000 NIS annually for four years).

2021-2024, Israel Science Foundation (ISF) Grant, 534,000 NIS total (178,000 NIS annually for three years).

2017, Award of 10,000 NIS for publishing in the highest impact-factor journal (Psychological Bulletin), awarded by the Research Authority of Ariel University.

2012-2015, Returning Scientist Grant from the Israeli Ministry of Science.

2009, ISEF Fellowship.
2008, ISEF Fellowship.
2004-2007, Nechamia Lev Zion Award.
1993, Rector Fellowship, awarded to the best 3% of the undergraduate student class.
1992, Rector Fellowship, awarded to the best 3% of the undergraduate student class.

Scientific Publications

Peer-Reviewed Articles

1. **Fitousi**, D. (in press). Replaying Twenty Questions with Nature: How Much Information Survives Replication in Social Science? *PLOS ONE*.
2. **Fitousi**, D. (2026). What makes good form good? Complexity, transformational invariance, and aesthetic value in visual organization. *i-Perception*. In press.
3. **Fitousi**, D., & Srulovich, H. (2026). Ensemble averaging of symbolic numbers: Criterion mean judgments beat heuristics. *Attention, Perception, & Psychophysics*, 88(7), 204. doi: 10.3758/s13414-026-03338-0
4. **Fitousi**, D. (2026). From features to identity: Evidence for a hierarchical model of unfamiliar face matching. *Quarterly Journal of Experimental Psychology*, 79(9), 2501–2520. doi: 10.1177/17470218261429045
5. Algom, D., & **Fitousi**, D. (2026). The five Garners: The psychological contributions of Professor Wendell R. Garner. *Memory & Cognition*, 54(4), 1162-1182.
6. **Fitousi**, D. (2025). Bits of confidence: Metacognition as uncertainty reduction. *Psychonomic Bulletin & Review*, 32(6), 2734-2762.
7. **Fitousi**, D. (2025). Information-theoretic measures of metacognitive efficiency: Empirical validation with the face matching task. *Entropy*, 27(4), 353.
8. **Fitousi**, D. (2025). Capacity and architecture of emotional face-ensemble coding. *Journal of Vision*, 25(6), 10.
9. Kramer, R. S., Jones, A. L., **Fitousi**, D., & Tree, J. (2025). AI-generated images of familiar faces are indistinguishable from real photographs. *Cognitive Research: Principles and Implications*, 10(1), 70.
10. Algom, D., & **Fitousi**, D. (2025). Information theory in perception of form: From Gestalt to algorithmic complexity. *Entropy*, 27(4), 434.
11. Kramer, R. S., Jones, A. L., & **Fitousi**, D. (2025). Face familiarity and similarity: Within- and between-identity representations are altered by learning. *Journal of Experimental Psychology: Human Perception and Performance*, 51(7), 927-943.
12. **Fitousi**, D. (2024). A signal-detection-based confidence-similarity model of face matching. *Psychological Review*, 131, 625-663.
13. **Fitousi**, D., & Algom, D. (2024). The quest for psychological symmetry through figural goodness, randomness, and complexity: A selective review. *i-Perception*, 15(1), 1-24.
14. **Fitousi**, D., & Noyman, R. (2024). Why are fractions difficult? Modeling optimal and suboptimal integration strategies of numerators and denominators by educated adults. *Cognition*, 242, 105656.
15. **Fitousi**, D., & Azizi, O. (2023). Navon letters and composite faces: Same or different processing mechanisms? *Frontiers in Psychology*, 14, 1219821.
16. **Fitousi**, D. (2023). Quantifying entropy in response-time (RT) distributions using the Cumulative Residual *Entropy* (CRE) function. *Entropy*, 25(8), 1239.
17. **Fitousi**, D. (2023). Dimensional interaction is driven by feature integration: A binding theory of Garner interference. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 49(12), 1881-1908.
18. **Fitousi**, D. (2022). Conjoint measurement of physical size and numerical magnitude: Numerals do not automatically activate their semantic meaning. *Psychonomic Bulletin & Review*, 29, 134-144.

19. Algom, D., **Fitousi**, D., & Chajut, E. (2022). Can the Stroop effect serve as the gold standard of conflict monitoring and control? A conceptual critique. *Memory & Cognition*, 50, 883-897.

20. **Fitousi**, D., Rotschild, N., Pnini, C., & Azizi, O. (2021). Understanding the impact of face masks on the processing of facial identity, emotion, age, and gender. *Frontiers in Psychology*, 12, 743793.

21. **Fitousi**, D. (2021). Stereotypical processing of emotional faces: Perceptual and decisional components. *Frontiers in Psychology*, 12, 733432.

22. **Fitousi**, D. (2021). When two faces are not better than one: Serial, limited-capacity processing of redundant-target faces. *Attention, Perception & Psychophysics*, 83, 3118-3134.

23. **Fitousi**, D. (2021). How does facial aging affect gender perception? Insights from maximum-likelihood conjoint measurement. *Journal of Vision*, 21(12), 12.

24. **Fitousi**, D. (2020). Evaluating the independence of age, sex, and race in judgments of faces. *Cognition*, 202, 104333.

25. **Fitousi**, D., & Algom, D. (2020). A model of two-digit number processing based on the Garner and System Factorial Technology. *Journal of Experimental Psychology: General*, 149, 676-700.

26. **Fitousi**, D. (2020). Linking the ex-Gaussian parameters to cognitive stages: Insights from the Linear Ballistic Accumulator (LBA) model. *The Quantitative Methods for Psychology*, 16, 91-106.

27. **Fitousi**, D. (2020). Decomposing the composite face effect: Evidence for non-holistic processing based on the ex-Gaussian distribution. *Quarterly Journal of Experimental Psychology*, 73, 819-840.

28. **Fitousi**, D. (2019). Global-to-local? Uncovering the temporal dynamics of the composite face illusion using distributional analyses. *Frontiers in Psychology*, 10, 2331.

29. **Fitousi**, D. (2019). Can we perceive two colors at the same time? A direct test of Huang and Pashler's Boolean map theory. *Attention, Perception & Psychophysics*, 81, 1532-1550.

30. **Fitousi**, D., & Algom, D. (2018). A system factorial technology analysis of the size congruity effect: Implications for numerical cognition and stochastic modeling. *Journal of Mathematical Psychology*, 84, 57-73.

31. von der Heide, R., Bittner, J., Wenger, M., & **Fitousi**, D. (2018). Converging operations and the role of perceptual and decisional influences on the perception of faces: Neural and behavioural evidence. *Brain and Cognition*, 122, 59-75.

32. **Fitousi**, D. (2018). Feature binding in visual short-term memory: A General Recognition Theory analysis. *Psychonomic Bulletin & Review*, 25, 1104-1113.

33. **Fitousi**, D. (2017b). Binding sex, age, and race in unfamiliar faces: The formation of face files. *Journal of Experimental Social Psychology*, 71, 1-15.

34. **Fitousi**, D. (2017a). What is in a face file? Feature binding with facial identity, emotion, and gaze direction. *Psychological Research*, 81, 777-794.

35. Algom, D., & **Fitousi**, D. (2016). Half a century of research on Garner interference and the separability-integrality distinction. *Psychological Bulletin*, 142, 1352-1383.

36. **Fitousi**, D. (2016). Simon and Garner effects with color and location: Evidence for two independent routes by which irrelevant location influences performance. *Attention, Perception & Psychophysics*, 78, 2433-2455.

37. **Fitousi**, D. (2016). Comparing the role of selective and divided attention in the composite face effect: Insights from Attention Operating Characteristic (AOC) plots and cross-contingency correlations. *Cognition*, 148, 34-46.

38. **Fitousi**, D. (2015). Composite faces are not processed holistically: Evidence from the Garner and redundant target paradigms. *Attention, Perception & Psychophysics*, 77, 2037-2060.

39. **Fitousi**, D. (2014). On the internal representation of numerical magnitude and physical size. *Experimental Psychology*, 61, 149-163.

40. **Fitousi**, D. (2013). Mutual information, perceptual independence, and holistic face perception. *Attention, Perception & Psychophysics*, 75, 983-1000.

41. **Fitousi**, D., & Wenger, M. (2013). Variants of independence in the perception of facial identity and expression. *Journal of Experimental Psychology: Human Perception and Performance*, 39, 133-155.

42. **Fitousi**, D., & Wenger, M. (2011). Processing capacity under perceptual and cognitive load: A closer look at the load theory. *Journal of Experimental Psychology: Human Perception and Performance*, 37, 259-275.

43. **Fitousi**, D. (2010). Dissociating between cardinal and ordinal and between value and size magnitudes of coins. *Psychonomic Bulletin & Review*, 17, 889-894.

44. **Fitousi**, D., Shaki, S., & Algom, D. (2009). The role of parity, physical size, and magnitude in numerical cognition: The SNARC effect revisited. *Attention, Perception & Psychophysics*, 71, 143-155.

45. **Fitousi**, D., & Algom, D. (2006). Size congruity effects with two-digit numbers: Expanding the number line? *Memory & Cognition*, 34, 445-457.

Chapters in Books

1. Algom, D., **Fitousi**, D., & Eidels, A. (2017). Bridge-building: SFT interrogation of major cognitive phenomena. In D. R. Little, N. Altieri, M. Fifić, & C.-T. Yang (Eds.), *Systems factorial technology: A theory-driven methodology for the identification of perceptual and cognitive mechanisms* (pp. 115-136). Academic Press.

2. **Fitousi**, D., & Algom, D. (2006). Two-digit numbers: How strong is the glue binding their digits? *Proceedings of Fechner Day*, 22(1), 317-322.