

Curriculum Vitae
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1. Fulvio Domini

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2. Home Address:

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3. Education:

Ph.D. 1997 University of Trieste, Italy, Experimental Psychology, “A new heuristic for the analysis of the optic flow”

M.S. 1991 University of Trieste, Italy, Electrical Engineering, “A stochastic approach for speech understanding”

4. Professional appointments:

2012-present Professor of Cognitive, Linguistic and Psychological Sciences, Brown University

2015–present Visiting Research Collaborator, Department of Psychology, Princeton University

2008–2017 Senior Scientist/Collaborator, Center for Neuroscience and Cognitive Systems, Italian Institute of Technology, Rovereto, Italy

2005–2012 Associate Professor of Cognitive and Linguistic Sciences, Brown University

1999 –2005 Assistant Professor of Cognitive and Linguistic Sciences, Brown University

1998-1999 Postdoctoral Researcher, School of Optometry, UC Berkeley.

1997-1998 Postdoctoral Researcher, Department of Cognitive Science, UC, Irvine

5. Completed Research

In the list that follows my name in **bold** indicates I was PI on the project.

(a) Chapters

1. **Domini**, F., & Caudek, C. (2011). Combining image signals before 3D reconstruction: The Intrinsic Constraint Model of cue integration. In J. Trommershäuser, M. S., Landy, & K. Körding (Eds.), *Sensory Cue Integration* (pp. 120–143). New York: Oxford University Press.

2. **Domini**, F., & Caudek, C. (2013). Perception and Action Without Veridical Metric Reconstruction: An Affine Approach. In [S J. Dickinson](#) [Z. Pizlo](#) (Eds.). [Shape Perception in Human and Computer Vision](#) (pp. 285-298). Springer London.

(b) Referred Journal Articles

62. **Domini, F.** (2023). The case against probabilistic inference: a new deterministic theory of 3D visual processing. *Philosophical Transactions of the Royal Society B*, 378(1869), 20210458.
61. Campagnoli, C., Hung, B., & **Domini, F.** (2022). Explicit and implicit depth-cue integration: evidence of systematic biases with real objects. *Vision research*, 190, 107961.
60. Campagnoli, C., Domini, F., & Taylor, J. A. (2021). Taking aim at the perceptual side of motor learning: Exploring how explicit and implicit learning encode perceptual error information through depth vision. *Journal of Neurophysiology*, 126, 413–426.
59. Deeb, A. R., Cesanek, E., & **Domini, F.** (2021). Newtonian Predictions Are Integrated With Sensory Information in 3D Motion Perception. *Psychological Science*, 32(2), 280-291.
58. Cesanek, E., Taylor, J. A., & **Domini, F.** (2021). Persistent grasping errors produce depth cue reweighting in perception. *Vision Research*, 178, 1-11.
57. **Domini F.**, Vishwanath D. (2020) Computational Models of 3D-Cue Integration. In: Jaeger D., Jung R. (eds) Encyclopedia of Computational Neuroscience. Springer, New York, NY. https://doi.org/10.1007/978-1-4614-7320-6_100696-1.
56. Cesanek, E., Taylor, J. A., & **Domini, F.** (2020). Sensorimotor adaptation and cue reweighting compensate for distorted 3D shape information, accounting for paradoxical perception-action dissociations. *Journal of Neurophysiology*, 123(4), 1407-1419.
55. Cesanek, E., **Domini, F.** (2019). Depth cue reweighting requires altered correlations with haptic feedback. *Journal of Vision*, 19 (14), 1–13.
54. Campagnoli, C., & **Domini, F.** (2019). Does depth-cue combination yield identical biases in perception and grasping?. *Journal of Experimental Psychology: Human Perception and Performance*, 45(5), 659.
53. Kopiske, K. K., Bozzacchi, C., Volcic, R., & **Domini, F.** (2019). Multiple distance cues do not prevent systematic biases in reach to grasp movements. *Psychological Research*. 83 (1), 147-158.
52. Volcic, R. & **Domini, F.** (2018). The endless visuomotor calibration of reach-to-grasp actions. *Scientific reports* 8 (1), 14803.
- 51 Cesanek, E., Campagnoli, C., Taylor, JA & **Domini, F.** (2018). Does visuomotor adaptation contribute to illusion-resistant grasping? *Psychonomic Bulletin & Review*. 1-19.50.
50. Bozzacchi, C., Volcic, R., Brenner, E., Smeets JB. & **Domini, F.** (2018). How removing visual information affects grasping movements. *Experimental brain research* 236 (4), 985-995.
49. Cesanek, E., **Domini, F.** (2018). Transfer of adaptation reveals shared mechanism in grasping and manual estimation. *Neuropsychologia*, 117, 271-277.
48. Kopiske, K. K. & **Domini, F.** (2018). On the response function and range dependence of manual estimation. *Experimental brain research* 236 (5), 1309-1320
47. Cesanek, E., **Domini, F.** (2017). Error correction and spatial generalization in human grasp control. *Neuropsychologia*, 106, 112-122.

46. Campagnoli, C., Croom, S., & **Domini, F.** (2017). Stereovision for action reflects our perceptual experience of distance and depth. *Journal of Vision*, 17(9), 1-26.
44. Kopiske, K. K., Cesanek, E., Campagnoli, C., & **Domini, F.** (2017). Adaptation effects in grasping the Müller-Lyer illusion. *Vision Research*, 136, 21-31.
43. Volcic, R., & Domini, F. (2016). "On-line visual control of grasping movements." *Experimental brain research*, 234(8), 2165–2177.
42. Bozzacchi, C., Volcic, R., & **Domini, F.** (2016). Grasping in absence of feedback: systematic biases endure extensive training. *Experimental brain research*, 234(1), 255-265.
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40. Bozzacchi, C., Volcic, R., & **Domini, F.** (2014). The effect of visual and haptic feedback on grasping movements. *Journal of Neurophysiology*, 112, 3189 –3196.
39. Volcic, R., & **Domini, F.** (2014). The visibility of contact points influences grasping movements. *Experimental brain research*, 232, 2997-3005.
38. Fantoni, C., Caudek, C., & **Domini, F.** (2014). Misperception of rigidity from actively generated optic flow. *Journal of vision*, 14(3), 10, 1-22.
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36. Bruggeman, H., Kliman-Silver, C., **Domini, F.**, & Song, J. H. (2013). Dynamic manipulation generates touch information that can modify vision. *Psychological science*, 24(6), 1063-1065.
35. Caudek, C., & **Domini, F.** (2013). Priming effects under correct change detection and change blindness. *Consciousness and cognition*, 22, 290-305 <http://dx.doi.org/10.1016/j.concog.2012.08.003>
34. Fantoni, C, Caudek, C., & **Domini, F.** (2012). Perceived Surface Slant Is Systematically Biased in the Actively-Generated Optic Flow. *PLoS ONE* 7(3): e33911. doi:10.1371/journal.pone.0033911.
33. **Domini, F.**, Shah R., & Caudek C. (2011). Do we perceive a flattened world on the monitor screen?. *Acta Psychologica* 138, 359-366.
32. Caudek, C., Fantoni, C, & **Domini, F.** (2011). Bayesian modeling of perceived surface slant from actively-generated and passively-observed optic flow. *PLoS ONE* 6(4): e18731. doi:10.1371/journal.pone.0018731
31. Foster R.S., Fantoni, C., Caudek C., & **Domini, F.** (2011). Integration of disparity and velocity information for haptic and perceptual judgments of object depth. *Acta Psychologica* 163, 300-
30. Van der Kooij, K., Domini, te Pas S.F., (2011). Surface boundaries do not constrain a depth aftereffect. *Vision Research*, 51, 138-46.
29. **Domini, F.**, & Caudek C. (2010). Matching perceived depth from disparity and from velocity: Modeling and psychophysics. *Acta Psychologica*, 133, 81-89.
28. Fantoni, C., Caudek C., & **Domini, F.** (2010). Systematic distortions of perceived planar surface motion

- in active vision. *Journal of Vision*, 10 (2):12, 1-20, <http://journalofvision.org/9/2/25/>, doi:10.1167/9.2.25.
27. Di Luca, M., **Domini**, F., & Caudek, C. (2010). Inconsistency of perceived 3D shape. *Vision Research*, 50, 1519-1531.
 26. **Domini**, F., & Caudek C. (2009). The intrinsic constraint model and Fechnerian sensory scaling. *Journal of Vision*, 9(2): 25, 1-15, <http://journalofvision.org/10/5/12/>, doi: 10.1167/10.5.12.
 25. Tassinari H., **Domini**, F. Caudek C., (2008). The Intrinsic Constraint Model for Stereo-Motion Integration. *Perception*, 37, 79-95.
 24. Di Luca, M., **Domini**, F., & Caudek, C. (2007). The relation between disparity and velocity signals of rigidly moving objects constrains depth order perception. *Vision Research*, 25, 1335-1349.
 23. **Domini**, F. Caudek C., & Tassinari (2006). Stereo and motion information are not independently processed by the visual system. *Vision Research*, 46, 1707-1723.
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 21. Vuong, Q., **Domini**, F. & Caudek, C. (2004). Evidence for patchwork approximation of shape primitives. *Perception & Psychophysics*, 66, 1246-1259.
 20. Di Luca, M., **Domini**, F., & Caudek, C. (2004). Spatial integration in structure from motion. *Vision Research*, 44, 3001-3013.
 19. Shlerf, J., and **Domini**, F. & Caudek (2004). 3D shape-contingent processing of luminance gratings. *Vision Research*, 44, 1079-1091.
 18. **Domini**, F. & Caudek C. (2003). 3D structure perceived from dynamic information: A new theory. *Trends in Cognitive Sciences*, 7, 444-449.
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 16. **Domini**, F., Caudek C. & Skirko, P (2003). Temporal integration of motion and stereo cues to depth. *Perception & Psychophysics*, 65, 48 - 57.
 15. Caudek C., **Domini**, F. & Di Luca M. (2002). Short-term Temporal Recruitment in Structure from Motion. *Vision Research*, 10, 1213-1233.
 14. **Domini**, F., Vuong, Q.C., & Caudek, C.(2002). Temporal integration in structure from motion. *Journal of Experimental Psychology: Human Perception and Performance*, 28, 816-838.
 13. Blaser, E., & Domini, F. (2002) The conjunction of feature and depth information. *Vision Research*, 3, 273-279.
 12. Caudek, C., **Domini**, F. & Di Luca M. (2002). Illusory 3D rotation induced by dynamic image shading. *Perception & Psychophysics*, 64, 366-379.
 11. Plet, S., Domini, F., Gerbino, W. & Varalda, G. (2001). Evaluation of a visual collision warning in simulated driving. *International Journal of Cognitive Technology*, 6, 20-28.
 10. **Domini**, F., Adams, W.J. & Banks, M.S. (2001). 3D after-effects are due to shape and not disparity

adaptation. *Vision Research*, 41, 2733-2739.

9. **Domini, F.**, & Braunstein, M.L. (2001). Influence of a stereo surface on the perceived tilt of a monocular line. *Perception & Psychophysics*, 63, 607-624.
8. **Domini, F.**, Blaser, E. & Cicerone, C. (2000) Color-specific depth mechanisms revealed by a color-contingent depth aftereffect. *Vision Research*, 40, 359-364.
7. **Domini, F.** & Caudek, C. (1999) Perceiving surface slant from deformation of optic flow. *Journal of Experimental Psychology: Human Perception and Performance*, 25, 426-444.
6. **Domini, F.**, Caudek, C. & Richman, S. (1998) Distortions of depth-order relations and parallelism in structure from motion. *Perception & Psychophysics.*, 60, 1164-1174
5. **Domini, F.** & Braunstein, M.L. (1998). Recovery of 3D structure from motion is neither Euclidean nor affine. *Journal of Experimental Psychology: Human Perception and Performance.*, 24, 1273-1295
4. Caudek, C., & **Domini, F.** (1998). Perceived orientation of axis of rotation in structure-from-motion. *Journal of Experimental Psychology: Human Perception and Performance.*, 24, 609-621
3. **Domini, F.**, Caudek, C., Turner & Favretto, A. (1998). Discriminating constant from variable angular velocities in structure from motion. *Perception & Psychophysics.*, 60, 747-760
2. **Domini, F.**, Caudek, C. & Proffitt, D.R. (1997). Misperceptions of angular velocities influence the perception of rigidity in the Kinetic Depth Effect. *Journal of Experimental Psychology: Human Perception and Performance.*, 23, 1111- 1129.
1. Bruno, N. Bertamini, M., & Domini, F. (1997). Amodal completion of partly occluded surfaces: Is there a "mosaic" stage? *Journal of Experimental Psychology: Human Perception and Performance*, 23, 1412-1426.

(c) *Conferences*

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- Aubuchon, C., Kemp, J., & Domini, F. (2022). Cooperation Between Conflicting Disparity and Shading Cues for Surface Interpolation, *Journal of Vision*, 22 (14), 4265-4265.
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- Deng, A., & Domini, F. (2022). Degraded disparity signal reduces magnitude but not precision of depth estimates. *Journal of Vision*, 22 (14), 4425-4425.
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- Wang, J., Deeb, A. R., McCabe, M. T., Domini, F., & Kowler, E. (2021). The role of knowledge of Newtonian mechanics in anticipatory smooth pursuit eye movements. *Journal of Vision*, 21(9), 2227-2227.

- Deng, A., Kemp, J., & Domini, F. (2021). The comparison makes a difference: What to choose when measuring the Just Noticeable Difference of a 3D cue-conflicting standard. *Journal of Vision*, 21(9), 2803-2803.
- Kemp, J., & Domini, F. (2021). Just Noticeable Differences in 3D Shape Perception: A Measure of Estimation Noise or Cue Gain?. *Journal of Vision*, 21(9), 2889-2889.
- Aubuchon, C., Kemp, J., Vishwanath, D., & Domini, F. (2021). Stereopsis and Distance Representation for Action in Pictorial Space. *Journal of Vision*, 21(9), 2886-2886.
- Deng, A., Cesanek, E., & Domini, F. (2019). Sensory Feedback Reduces Weber's Law in Perception and Action Tasks. *Asian-Pacific Conference on Vision (APCV)*,
- Kemp, J., & Domini, F. (2019). A Deterministic Approach to 3D Vision from Multiple Cues. *Asian-Pacific Conference on Vision (APCV)*, Osaka, Japan, July, 2019.
- Kemp, J.T., Cesanek, E., & Domini, F. (2019). The Intrinsic Constraint Model: A non-Euclidean approach to 3D shape perception from multiple image signals. *Journal of Vision*. 19 (10), 16a-16a
- Deng, A., Cesanek, E., & Domini, F. (2019). Sensory feedback reduces scalar variability effects in perception and action tasks. *Journal of Vision*. 19 (10), 110-110.
- Deeb, A., Cesanek, E., & Domini, F. (2019). Embeddedness of Local Gravity in Perception & Action. *Journal of Vision*. 19 (10), 285b-285b
- Deeb, A., Cesanek, E., & Domini, F. (2018). Current Visual Information and Newtonian Prediction is Utilised in the Perception of Colliding Objects. *European Conference on Visual Perception (ECVP)*, Trieste, Italy, August, 2018.
- Kopiske, K. K., Bozzacchi, C., Volcic, R., & Domini, F. (2018). Grasping in Depth Shows the Same Biases as Depth Perception *European Conference on Visual Perception (ECVP)*, Trieste, Italy, August, 2018.
- Domini, F., & Vishwanath, D. (2018). 3D Vision: What is the state of the art? *European Conference on Visual Perception (ECVP)*, Trieste, Italy, August, 2018.
- Kemp, J., Cesanek, E., & Domini, F. (2018). Investigating biases in 3D perception and the effects of signal noise on depth discrimination. *European Conference on Visual Perception (ECVP)*, Trieste, Italy, August, 2018.
- Cesanek, E., & Domini, F. (2018). When visuomotor adaptation fails, 3D perception changes. *Journal of Vision*. 18 (10), 63-63.
- Deng, A., Cesanek, E., & Domini, F. (2018). Sensory feedback reduces scalar variability in grasping. *Journal of Vision*. 18 (10), 63-63.
- Cesanek, E., & Domini, F. (2017). Features of grasp adaptation: Error correction, interference, and perceptual recalibration. *Journal of Vision*. (10), 468-468.
- Kopiske, K., Cesanek, E., Campagnoli, C., & Domini, F. (2017). Error correction and interference in grasping illusions. *Journal of Vision*. 17 (10), 469-469.
- Cesanek, E., Campagnoli, C., & Domini, F. (2016). One-shot correction of sensory prediction errors produces illusion-resistant grasping without multiple object representations. *Journal of Vision*, 16(12), 20-20.

- Campagnoli, C., & Domini, F. (2016). Conscious perception and grasping rely on a shared depth encoding. *Journal of Vision, 16*(12), 449-449.
- Campagnoli, C., Cesanek, E., & Domini, F. (2015). Haptic feedback overrides visual size information during repeated grasping. *Journal of vision, 15*(12), 1149-1149.
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- Volcic, R., & Domini, F. (2015). Sequential dependencies in grasping movements. *Journal of vision, 15*(12), 1148-1148.
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- Campagnoli, C., & Domini, F. (2014). Reach-to-grasp actions affect the perceptual scaling of disparity-defined depth. *Journal of Vision, 14*(10), 407-407.
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- Bozzacchi, C., Volcic, R., & Domini, F. (2014). The role of egocentric and allocentric feedback in calibrating goal-oriented actions. *Journal of Vision, 14*(10), 412-412.
- Fantoni, C., Gerbino, W., Milani, E., & Domini, F. (2014). Impaired perception of rigidity induced by the amodal completion of 3D structures in active and passive vision. *Journal of Vision, 14*(10), 242-242.
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- Vishwanath, D., & Domini, F. (2013). Pictorial depth is not statistically optimal. *Journal of Vision, 13*(9), 613-613.
- Lee, A., Campagnoli, C., & Domini, F. (2013). The taller you are, the smaller the world appears: perceptual distortion of binocular space depends on the size of personal body space. *Journal of Vision, 13*(9), 215-215.
- Mancuso, G., Fantoni, C., Domini, F., & Battelli, L. (2013). The neural basis of 3D rotation sensitivity from self-generated Optic Flow: a Transcranial Magnetic Stimulation Study. *Journal of Vision, 13*(9), 449-449.

- Toscani, L., Caudek, C., & Domini, F. Navon effect on face recognition does not depend on eye movements. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2012.
- Domini, F., Fantoni, C., Caudek, C., & Mancuso, G. The Generic Linear Motion Assumption for the interpretation of the optic flow. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2012.
- Mancuso, G., Fantoni, C., Caudek, C., & Domini, F. Non-informative components of retinal and extra-retinal signals affect perceived surface orientation from optic flow. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2012.
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- Campagnoli, C., Volcic, R., & Domini, F. The same object and at least three different grip apertures. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2012.
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- Volcic, R., Fantoni, C., Caudek, C., & Domini, F. Visuo-motor recalibration alters depth perception. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2011.
- Caudek, C., & Domini, F. It is easier to remember two faces than a single one. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2011.
- Battelli, L., Mancuso, G., Fantoni, C., & Domini, F. Transcranial magnetic stimulation improves rotation sensitivity for actively viewed structure from motion. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2010.
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- Foster, R., Fantoni, C., Domini, F., & Caudek, C. Integration of stereo-motion information for guiding calibrated reach-to-grasp movements. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2009.
- Domini, F., & Caudek, C. Fechnerian Sensory Scaling: a test of the Intrinsic Constraint Model. *European Conference on Visual Perception (ECVP)*, Utrecht, Netherlands, August, 2008.
- Caudek, C & Domini, F. Signal-to-Noise-Ratio and not simulated depth predicts perceived 3D structure from stereo and motion stimuli. *European Conference on Visual Perception (ECVP)*, Utrecht, Netherlands, August, 2008.
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- Di Luca, M., Domini, F. & Caudek, C. Non-linear combination of stereo and motion. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2004.
- Tassinari, H.T., Domini, F. & Caudek, C. Evidence of non-linear combination of stereo and motion information. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2004.
- Domini, F., Vuong, Q. C., & Caudek, C. Evidence of strong coupling between stereo and shading information to 3D surface reconstruction. *European Conference on Visual Perception (ECVP)*, Paris, France, September, 2003.
- Di Luca, M., Domini, F., & Caudek, C. Are Stereo and Motion Information to 3D-structure linearly combined? *European Conference on Visual Perception (ECVP)*, Paris, France, September, 2003.
- Vuong, Q., Domini, F., & Caudek, C. Flexible patches for recovering surfaces from binocular disparity. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2003.
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- Di Luca, M., Domini, F., & Caudek, C. Spatial integration of curved surfaces in structure from motion. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2003.
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- Shlerf, J., & Domini, F.. Role of 3D Shape in Contrast Detection of Luminance Gratings. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2002.
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- Vuong, Q. & Domini, F. Modulation by a stereo context in learning shape discrimination from motion cue. *European Conference on Visual Perception (ECVP)*, Kusadasy, Turkey, August, 2001.

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- Domini, F. & Blaser, E. Feature-contingent depth aftereffects support a “surface-based depth” system. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, April, 2000.
- Domini, F., & Braunstein, M.L. Random-dot stereograms can prime monocular perspective distortions. *The Psychonomic Society*, St. Los Angeles, November, 1999.
- Adams, W.J., Domini, F. & Banks, M.S. Adaptation to shape, not disparity, in stereo displays. European Conference on Visual Perception (ECVP), Trieste, Italy, August, 1999.
- James Hillis, Domini, F., & Banks, M.S. Texture cues to depth can be learnt from stereoscopic depth. European Conference on Visual Perception (ECVP), Trieste, Italy, August, 1999.
- Domini, F., & Banks, M.S. Role of color in the perception of stereoscopic occlusions. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, April, 1999.
- Braunstein, M.L. & Domini, F.D. Two dimensional distortions induced by a stereo surface. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, April, 1999.
- Cicerone, C., Blaser, E. and, Domini, F. Color-specific depth mechanisms revealed by a color-contingent depth aftereffect. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, April, 1999.
- Blaser, E., Pylyshyn, Z. W., & Domini, F. Measuring attention during 3D multielement tracking *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, April, 1999.
- Domini, F., & Braunstein, M.L. Structure from motion displays can prime perspective distortions. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, April, 1998.
- Domini, F., Ripamonti, C. & Caudek, C. Frequency of presentation of local features and object recognition. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, May, 1997.
- Caudek, C. & Domini, F. Influence of 3D spatial orientation in visual search. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, May, 1997.
- Caudek, C., & Domini, F. Illusory 3-D rotation induced by a moving illumination source. *The Psychonomic Society*, Chicago, Illinois, November, 1996.
- Domini, F., & Braunstein, M.L. Judged depth in structure from motion is neither Euclidean nor affine. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, April, 1996.
- Cho, Y., Domini, F., Turner, J., Richman, S., Turner, M.. The Mueller-Lyer illusion in a reaching task. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, April, 1996.
- Domini, F., Caudek, C., & Gerbino, W. Perception of surface attitude in SFM displays. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, May, 1995.
- Bruno, N. Bertamini, M., & Domini, F. Time course of amodal completion, with and without binocular parallax. *Association for Research in Vision and Ophthalmology (ARVO)*, Fort Lauderdale, Florida, May, 1995.

Caudek, C., Domini, F., & Gerbino, W. Paradoxical perception of depth-order relations in SFM displays. *The Psychonomic Society*, St. Louis MO, November, 1994.

Gerbino, W., Caudek, C., & Domini, F. A phenomenal asymmetry in perceived oscillation. *The Psychonomic Society*, St. Louis MO, November, 1994.

Domini, F., Caudek, C. & Proffitt, D.R. (1994). Discriminating rigid from nonrigid motion in the kinetic depth effect. *Perception*, 23 suppl.,56a.

(d) Invited Lectures (Conferences and Symposia)

Domini F. (2001) Temporal Integration in Structure from Motion. Invited paper, *Eleventh International Conference on Perception and Action (ICPA XI)*, University of Connecticut, Storrs, CT..

Domini F. (2001) Perception of three-dimensional structure from motion: a new theory. Invited symposium paper, *European Conference on Visual Perception (ECVP)*, Kusadasy, Turkey.

Domini F. (2007) 3D-cue Integration: putting the pieces together. Symposium Organizer, *European Conference on Visual Perception (ECVP)*, Arezzo, Italy.

Domini F. (2008) Combining image signals *before* 3D reconstruction: The Intrinsic Constraint Model of cue integration. Invited workshop paper, *Rauischholzhausen Castle, Germany, Workshop "Cue combination – Unifying perceptual theory"*.

Domini F. (2012) 3D perception and action do not require veridical Euclidean reconstruction. Invited workshop paper, *Adaptive Computation*, Santorini 30th May – 3rd June 2012

Domini F. (2021) A novel non-probabilistic model of 3D cue integration explains both perception and action. Symposium organizer and speaker for "*New approaches to 3D vision*", *The Royal Society of London*.

(e) Invited Lectures (Colloquia and Talks)

2001: University of Virginia; Eunice Kennedy Shriver Center (UM medical School), Harvard University.

2004: University of Pennsylvania; University of Virginia; New York University

2006: University of Virginia; University of Glasgow, UK.

2007: York University, Canada; University of Southwestern Ontario, Canada; University of Rochester; Boston University.

2010: Hamburg University, Germany; University of St. Andrews, UK.

2013: Department of Psychology, North Dakota State University

2017: Center for Neuroscience and Cognitive Systems, IIT, Rovereto, Italy

2018: Princeton University, Rutgers University, SVG2018 Scotland

2019: Ecole Normal Superior, Paris, France.

2021: Giessen University, Germany

6. Research Grants

(a) Current grants

“A test of a novel non-probabilistic model of 3D cue integration”, PI, NSF #BCS 2120610, 2021-2024, \$499,996 (direct + indirect)

“Encoding of probability distributions of 3D estimates in mind and brain”, PI, NIH 1R21EY033182-01A1, \$423,524 (direct + indirect)

(b) Completed grants

“The intertwined roles of vision and sensorimotor adaptation on reach-to-grasp movements”, PI, NSF #BCS 1827550, 2018-2021, \$ 523,550 (direct + indirect)

“Intrinsic Constraints: Local Affine Reconstruction from Multiple Image Signals”, PI, NSF #BCS 0643234, 2007-2012, \$350,000 (direct + indirect)

“A new approach to the problem of cue-integration for the perception of 3D shape”, PI, NSF #BCS 0345763, 2004-2006, \$87,821 (direct + indirect)

“Spatial and temporal integration in the perception of 3D Shape.” PI, NSF #BCS 0078441, 2000-2005, \$274,530 (direct + indirect)

(a) Date of Preparation of the Document:

January, 26th, 2023