

Curriculum Vitae
November 2017

1. Fulvio Domini

Professor of Cognitive, Linguistic and Psychological Sciences
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2. Home Address:

540 Princeton Kingston Rd
Princeton NJ 08540

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 am 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

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.
45. Cesanek, E., Campagnoli, C., Taylor, J.A. & **Domini, F.** (2017). Does visuomotor adaptation contribute to illusion-resistant grasping? *Psychonomic Bulletin & Review*. 1-19.
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.
41. Bozzacchi, C., & **Domini, F.** (2015). Grasping lacks depth constancy in both virtual and real environments. *Journal of Neurophysiology* *114* (4), 2242-2248.
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.
37. Volcic, R., Fantoni, C., Caudek, C., Assad, J. A., & **Domini, F.** (2013). Visuomotor Adaptation Changes Stereoscopic Depth Perception and Tactile Discrimination. *The Journal of Neuroscience*, *33*(43), 17081-17088.
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.
22. Vuong, Q. C., **Domini**, F., & Caudek, C. (2006). Disparity and shading cues cooperate for surface interpolation. *Perception*, 25, 145-155.
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.
17. **Domini**, F. & Caudek C. (2003). Recovering slant and angular velocity from a linear velocity field: modeling and psychophysics. *Vision Research*, 43, 1753-1764.
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*

- Cesaneck, 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., Cesaneck, E., & Domini, F. (2015). Haptic feedback overrides visual size information during repeated grasping. *Journal of vision*, 15(12), 1149-1149.
- Cesaneck, E., Campagnoli, C., Walker, C., & Domini, F. (2015). Online vision of the hand supports accurate grasp performance in illusory contexts. *Journal of vision*, 15(12), 185-185.
- Volcic, R., & Domini, F. (2015). Sequential dependencies in grasping movements. *Journal of vision*, 15(12), 1148-1148.

- 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.
- Nawrot, M., Holmin, J., Stroyan, K., & Domini, F. (2014). Depth cue integration with the Intrinsic Constraint Model and the Motion/Pursuit Ratio for motion parallax. *Journal of Vision*, 14(10), 738-738.
- Walker, C., Campagnoli, C., & Domini, F. (2014). Visually guided grasping in depth is systematically inaccurate. *Journal of Vision*, 14(10), 421-421.
- Campagnoli, C., & Domini, F. (2014). Reach-to-grasp actions affect the perceptual scaling of disparity-defined depth. *Journal of Vision*, 14(10), 407-407.
- Volcic, R., & Domini, F. (2014). Visual on-line control of grasping movements. *Journal of Vision*, 14(10), 902-902.
- 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.
- Volcic, R., Vishwanath, D., & Domini, F. (2014, February). Reaching into Pictorial Spaces. In *IS&T/SPIE Electronic Imaging* (pp. 901413-901413). International Society for Optics and Photonics.
- Nicolini, C., Fantoni, C., Mancuso, G., Volcic, R., & Domini, F. (2014, February). A framework for the study of vision in active observers. In *IS&T/SPIE Electronic Imaging* (pp. 901414-901414). International Society for Optics and Photonics.
- Volcic, R., & Domini, F. (2013). Adaptation of reach-to-point movements changes reach-to-grasp actions. *Journal of Vision*, 13(9), 338-338.
- 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.
- Fantoni, C., Mancuso, G., Caudek, C., & Domini, F. Linear egomotion signals are mostly ignored in the interpretation of the self-generated optic flow. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2012.
- Campagnoli, C., Volcic, R., & Domini, F. The same object and at least three different grip apertures. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2012.
- Volcic, R., Fantoni, C., Caudek, C. & Domini, F. Compression of motor space expands perceptual spaces. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2012.

- Fantoni, C., Caudek, C., & Domini, F. Perception of slant by an active observer remains constant when looking at a rotating but not at a static plane. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2011.
- 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.
- Fantoni, C., Caudek, C., & Domini, F. Perceived slant from optic flow in active and passive viewing of natural and virtual surfaces. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2010.
- Fantoni, C., Domini, F., & Caudek, C. Binocular vision with null disparity disrupts the effects of extra-retinal signals. *Vision Sciences Society (VSS)*, Naples, Florida, May, 2009.
- 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.
- Domini, F., & Caudek, C. A novel approach to the problem of cue integration. *European Conference on Visual Perception (ECVP)*, Arezzo, Italy, August, 2007.
- Di Luca, M., Domini, F., & Caudek, C. Depth cues do not specify a unique Affine or Euclidean representation. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2006.
- Domini, F., & Caudek, C. The intrinsic constraint model for stereo-motion integration. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2006.
- Domini, F., Di Luca, M, & Caudek, C. Depth from stereo-motion: estimating the Intrinsic Constraint line. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2005.
- Caudek, C. & Domini, F. Adaptation to the relation between visual cues affects perception. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2005.
- Domini, F., & Caudek, C. A new approach to the study of cue-integration. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2004.
- 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.
- Roth, S., Domini, F., & Black, M. Specular flow and the perception of surface reflectance. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2003.
- Di Luca, M., Domini, F., & Caudek, C. Spatial integration of curved surfaces in structure from motion. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2003.
- Di Luca, M., Domini, F., & Caudek, C. Spatial integration in structure from motion. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2002.
- Shlerf, J., & Domini, F.. Role of 3D Shape in Contrast Detection of Luminance Gratings. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2002.
- Caudek, C. & Domini, F. Spatial and temporal surface interpolation in structure from motion. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2001.
- Vuong, Q., Domini, F., & Caudek, C. Temporal integration in structure from motion. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2001.
- Chen, J.T., Domini, F., & Caudek, C. Perception of tilt: the role of the optic flow gradients. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2001.
- Domini, F., & Caudek, C. Temporal integration of stereo and motion information. *Vision Sciences Society (VSS)*, Sarasota, Florida, May, 2001.
- 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.
- Domini, F. A heuristic approach to the perception of the three-dimensional structure from motion. *Optical Society of America*, Providence, October, 22, 2000.
- 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 Psyconomic 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

(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

(f) Work in review

Kopiske, K.K., & Domini, F. On the response function and range dependence of manual estimation. *Experimental Brain Research*.

Bozzacchi, C., Volcic, R. Smeets, J., Brenner, E., & Domini, F. How removing visual information affects grasping movements. *Experimental Brain Research*.

(g) Work in progress

Volcic, R. & Domini, F. Serial dependence in vision for action.

6. Research Grants

(a) Current grants

Center for Vision Research, Brown University, \$15,000

OCULUS \$10,000

(b) Completed grants

“Intrinsic Constraints: Local Affine Reconstruction from Multiple Image Signals”, PI, NSF #BCS 0643234, 2007-2010, \$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)

7. Service

(a) To the university

2016-present ACCRIP committee
 2014 Cognitive Science Concentrator Advisor
 2011-present Cognitive Science Freshmen Advisor
 2013-present Faculty Mentor for prof. Kareen Coulombe
 2009-present Department Web Committee
 2007-2010 Cognitive Science Freshmen Advisor
 2005-2010 Cognitive Science Concentrator Advisor
 2005-2006 Perception Search committee
 2003-2004 Perception Search committee
 2002-2005 Department Space Committee.
 2001-2002 Brain Science Recruitment committee.
 1999 –2001 Organizer of the Visual Perception Lunch (VPL)
 2000-2005 Department Recruitment/Advertising IGERT committee.

(b) To the profession

Panel Member, NIH, Special Emphasis Panel, Washington DC, March 2013

Panel Member, NSF Cognition and Perception Panel, Washington DC, 2007

External reviewer for: Vision Research, Perception and Psychophysics, Journal of Vision, Perception, Psychological Acta, Plos Computational Biology, Psychological Science, Cognition, JEP:HPP, etc.

8. Teaching

1999-2000 CG120 Computational Vision (7)
 CG186 3D Shape Perception (6)
 2000-2001 CG186 3D Shape Perception (5)
 CG120 Computational Vision (9)
 CG44 Perception and Mind (40)
 2001-2002 CG120 Computational Vision (9)
 CG186 3D Shape Perception (3)
 CG116 Human Factors (40)
 CG198 Independent Study (1)
 Graduate Students: Massimiliano De Luca (1st)
 2002-2003 CG198 Independent Study (2)
 Graduate Students: Massimiliano De Luca (2st)
 Honor Student: John Shlerf
 Independent Study (1)
 2003-2004 CG120 Computational Vision (5)
 CG186 3D Shape Perception (4)
 CG144 Visualizing Vision (10)
 CG198 Independent Study (2)
 Graduate Students: Massimiliano De Luca (3rd)
 Honor Student: Hadley Tassinari

- 2004-2005 CG120 Computational Vision (7)
CG186 3D Shape Perception (10)
CG144 Visualizing Vision (11)
CG198 Independent Study (2)
Graduate Students: Massimiliano De Luca (4th), Erika Scilipoti (1st),
Rajesh Shah(1st)
- 2005-2006 CG186 3D Shape Perception (6)
CG1160 Human Factors (16)
CG120 Computational Vision (8)
CG198 Independent Study (1)
Graduate Students: Massimiliano De Luca (5th), Erika Scilipoti (2nd),
Rajesh Shah (2nd)
- 2006-2007 CG120 Computational Vision (3)
CG186 3D Shape Perception (8)
CG044 Perception and Mind (63)
CG198 Independent Study (2)
Graduate Students: Rajesh Shah (2nd)
- 2007-2008 CG0090 Quantitative methods for the psychological sciences (72)
CG1860 3D Shape Perception (7)
COGS 2200 Perception (19)
- 2008-2009 CG0090 Quantitative methods for the psychological sciences (54)
CG1860 3D Shape Perception (4)
CG1980 Freshmen Seminar: Two Visual Systems (4)
CG1970 Independent Study (1)
Honor Students: Rachel Foster, Ted McCarthy.
- 2009 CG0090 Quantitative methods for the psychological sciences (70)
- 2010-2011 Sabbatical Leave + Parental Relief
- 2011-2012 COGS 1440 Visualizing Vision (5)
COGS 1860B 3D Shape Perception (18)
Graduate Students: Carlo Campagnoli (1st)
- 2012-2013 CLPS 0050B The Two Visual Systems: Visual Perception and Control of Action
(21)
COGS 1440 Visualizing Vision (7)
COGS 1860B 3D Shape Perception (5)
Graduate Students: Carlo Campagnoli (2nd)
- 2013-2014 CLPS 0050B The Two Visual Systems: Visual Perception and Control of Action (7)
COGS 1440 Visualizing Vision (7)
COGS 1860B 3D Shape Perception (5)
Graduate Students: Carlo Campagnoli (3rd) and Evan Cesanek (1st)
- 2014-2015 CLPS 0050B The Two Visual Systems: Visual Perception and Control of Action (8)
COGS 1860B 3D Shape Perception (7)
COGS 1440 Visualizing Vision (?)
Graduate Students: Carlo Campagnoli (4th) and Evan Cesanek (2nd)

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