

Srinivasan publications

Full-length refereed publications

A: Papers on vision and visual processing, guidance and navigation

B: Papers on learning, memory and higher brain function

C: Papers on machine vision and robotics

1. ^AM.V. Srinivasan and B.L. Deekshatulu (1971) Development of an eye-movement stimulator and monitor. *Indian J. Pure and Appl. Physics* 9, 253-260.
2. ^AM.V. Srinivasan, M.A.L. Thathachar and B.L. Deekshatulu (1975) A probabilistic hypothesis for the prediction of visual fixations. *IEEE Transactions on Systems, Man and Cybernetics*, SMC-5, 4, 431-437.
3. ^AM.V. Srinivasan and G.D. Bernard (1975) The effect of motion on visual acuity of the compound eye: a theoretical analysis. *Vision Res.* 15, 515-525.
4. ^AM.V. Srinivasan and G.D. Bernard (1976) A proposed mechanism for multiplication of neural signals. *Biol. Cybernetics* 21, 227-236.
5. ^AM.V. Srinivasan and G.D. Bernard (1977) The pursuit response of the housefly and its interaction with the optomotor response. *J. Comp. Physiol.* 115, 101-117.
6. ^AM.V. Srinivasan and G.D. Bernard (1977) The fly can discriminate movement at signal/noise ratios as low as one-eighth. *Vision Res.* 17, 609-616.
7. ^AM.V. Srinivasan (1977) A visually-evoked roll response in the housefly: open-loop and closed-loop studies. *J. Comp. Physiol.* 119, 1-14.
8. ^AA.W. Snyder and M.V. Srinivasan (1979) Human psychophysics: Functional interpretation for contrast sensitivity versus spatial frequency curve. *Biol. Cybernetics* 32, 9-17.
9. ^AM.V. Srinivasan and D.R. Dvorak (1979) The waterfall illusion in an insect visual system. *Vision Res.* 19, 1435-1437.
10. ^AM.V. Srinivasan and G.D. Bernard (1980) A technique for estimating the contribution of photomechanical responses to visual adaptation. *Vision Res.* 20, 511-521.
11. ^AD. Dvorak, M.V. Srinivasan and A.S. French (1980) The contrast sensitivity of fly movement-detecting neurons. *Vision Res.* 20, 397-407.
12. ^AM.V. Srinivasan and D. Dvorak (1980) Spatial processing of visual information in the movement-detecting pathway of the fly. *J. Comp. Physiol.* 140, 1-23.
13. ^AA. Dubs, S.B. Laughlin and M.V. Srinivasan (1981) Single photon signals in fly photoreceptors and first order interneurons at behavioural threshold. *J. Physiol.* 317, 317-334.
14. ^AR. Wehner and M.V. Srinivasan (1981) Searching behaviour of desert ants, Genus *Cataglyphis*. *J. Comp. Physiol.* 142, 315-338.

15. ^AM.V. Srinivasan, S.B. Laughlin and A. Dubs (1982) Predictive coding: a fresh view of inhibition in the retina. *Proc. R. Soc. Lond. B* 216, 427-459.
16. ^AM.V. Srinivasan (1983) The impulse response of a movement-detecting neuron and its interpretation. *Vision Res.* 23, 659-663.
17. ^AM.V. Srinivasan and M. Lehrer (1984) Temporal acuity of honeybee vision: behavioural studies using moving stimuli. *J. Comp. Physiol.* 155, 297-312.
18. ^AM.V. Srinivasan and M. Lehrer (1984) Temporal acuity of honeybee vision: behavioural studies using flickering stimuli. *Physiol. Entomol.* 9, 447-457.
19. ^AM.V. Srinivasan and M. Lehrer (1985) Temporal resolution of colour vision in the honeybee. *J. Comp. Physiol. A* 157, 579-586.
20. ^AM.V. Srinivasan (1985) Shouldn't directional movement detection necessarily be "colour-blind"? *Vision Res.* 25, 997-1000.
21. ^AM.V. Srinivasan and M. Lehrer (1985) Temporal aspects of honeybee vision. *Proceedings, IEEE Conference on Systems, Man and Cybernetics, Tucson, Arizona*, pp. 850-853.
22. ^AM. Lehrer, R. Wehner and M.V. Srinivasan (1985) Visual scanning behaviour in honeybees. *J. Comp. Physiol. A* 157, 405-415.
23. ^AM.V. Srinivasan, M. Lehrer and R. Wehner (1987) Bees perceive illusory colours induced by movement. *Vision Res.* 27, 1285-1289.
24. ^AD. Osorio, A.W. Snyder and M.V. Srinivasan (1987) Bi-partitioning and boundary detection in natural scenes. *Spatial Vision* 2, 191-198.
25. ^AM. Lehrer, M.V. Srinivasan, S.W. Zhang and G.A. Horridge (1988) Motion cues provide the bee's visual world with a third dimension. *Nature. (Lond.)* 332, 356-357.
26. ^AM.V. Srinivasan, M. Lehrer, W. Kirchner, S.W. Zhang and G.A. Horridge (1988) How honeybees use motion cues to estimate range and discriminate objects. *Proceedings, IEEE Conference on Systems, Man and Cybernetics, Beijing and Shenyang*.
27. ^AM.V. Srinivasan and M. Lehrer (1988) Spatial acuity of honeybee vision, and its spectral properties. *J. Comp. Physiol. A* 162, 159-172.
28. ^AR.G. Guy and M.V. Srinivasan (1988) Integrative properties of second-order visual neurons: A study of large monopolar cells in the dronefly *Eristalis*. *J. Comp. Physiol. A* 162, 317-331.
29. ^AM.V. Srinivasan (1988) Visual motion processing in the invertebrate context. *Proceedings of the Australian Physiological and Pharmacological Society* 19, 15-24.
30. ^AW. Kirchner and M.V. Srinivasan (1989) Freely-flying honeybees use image motion to estimate object distance. *Naturwissenschaften* 76, 281-282.
31. ^AM.V. Srinivasan, M. Lehrer, S.W. Zhang and G.A. Horridge (1989) How honeybees measure their distance from objects of unknown size. *J. Comp. Physiol. A* 165, 605-613.

32. ^AP. Coombe, M.V. Srinivasan and R. Guy (1989) Are the large monopolar cells of the insect lamina on the optomotor pathway? *J. Comp. Physiol. A* 166, 23-35.
33. ^AR.B. Pinter, D. Osorio and M.V. Srinivasan (1989) Matched filter theory applied to responses of fly lamina cells predicts loss of edge-preference on lowering luminance. *Proceedings, Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Seattle*, 244-255.
34. ^AM. Lehrer, M.V. Srinivasan and S.W. Zhang (1990) Visual edge detection in the honeybee, and its chromatic properties. *Proc. R. Soc. Lond. B.* 238, 321-330.
35. ^AM.V. Srinivasan, M. Lehrer and G.A. Horridge (1990) Visual figure- ground discrimination in the honeybee: the role of motion parallax at boundaries. *Proc. R. Soc. Lond. B.* 238, 331-350.
36. ^AM.V. Srinivasan and R. Guy (1990) Spectral properties of movement perception in the dronefly *Eristalis*. *J. Comp. Physiol. A.* 166, 287-295.
37. ^AD. Osorio, M.V. Srinivasan and R.B. Pinter (1990) What causes edge fixation in walking flies? *J. Exp. Biol.* 149, 281-292.
38. ^AM.V. Srinivasan, R.B. Pinter and D. Osorio (1990) Matched filtering in the visual system of the fly: large monopolar cells in the lamina are optimized to detect moving edges and blobs. *Proc. R. Soc. Lond. B.* 240, 279-293.
39. ^AS.W. Zhang, X. Wang, Z. Liu and M.V. Srinivasan (1990) Visual tracking of moving targets by freely-flying honeybees. *Vis. Neurosci.* 4, 379-386.
40. ^CM.V. Srinivasan (1990) Generalized gradient schemes for the measurement of two-dimensional image motion. *Biol. Cybernetics* 63, 421-431.
41. ^CS. Jin and M.V. Srinivasan (1990) A neural gradient scheme for measurement of image velocity. *Vis. Neurosci.* 5, 261-271.
42. ^AR.B. Pinter, D. Osorio and M.V. Srinivasan (1990) Shift of edge-taxis to scototaxis depends on mean luminance and is predicted by a matched-filter theory on the responses of fly lamina LMC cells. *Vis. Neurosci.* 4, 579-584.
43. ^BJ.H. van Hateren, M.V. Srinivasan and P.B. Wait (1990) Pattern recognition in bees: orientation discrimination. *J. Comp. Physiol. A* 167, 649-654.
44. ^CM.V. Srinivasan and P. Sobey (1991) A generalized gradient scheme for the measurement of optical flow. *Proceedings, Second Australian Conference on Neural Networks, Sydney*, 4-6 Feb., pp 107 - 110.
45. ^AM.V. Srinivasan, M. Lehrer, W.H. Kirchner and S.W. Zhang (1991) Range perception through apparent image speed in freely-flying honeybees. *Vis. Neurosci.* 6, 519-535.
46. ^CG. Stange, M.V. Srinivasan and J. Dalczynski (1991) A rangefinder based on intensity gradient measurement. *Applied Optics* 30, 1695-1700.
47. ^AD. Osorio and M.V. Srinivasan (1991) Camouflage by edge enhancement in animal coloration patterns and its implications for visual mechanisms. *Proc. R. Soc. Lond. B* 244, 81-85.

48. ^CP. Sobey and M.V. Srinivasan (1991) Measurement of optical flow using a generalized gradient scheme. *J. Opt. Soc. Am.* 8, 1488-1498.
49. ^CM.V. Srinivasan and P. Sobey (1991) Biologically-inspired schemes for the detection of motion boundaries. Proceedings of Workshop "Computer Vision - From Cognitive Science to Industrial Automation", *12th International Joint Conference on Artificial Intelligence*, Sydney, 25-29 August 1991.
50. ^AM. Holmqvist and M.V. Srinivasan (1991) A visually evoked escape response in the housefly. *J. Comp. Physiol. A* 169, 451-459.
51. ^AR.B. Pinter, D. Osorio and M.V. Srinivasan (1992) Adaptive matched filtering in peripheral nervous system. *Proceedings, International Joint Conference on Neural Networks*, Seattle, Vol II, 633-637.
52. ^CM.V. Srinivasan and P. Sobey (1992) Neural networks for the detection of motion boundaries. *Proceedings, Third Australian Conference on Neural Networks*, Canberra, 3-5 February 1992, pp 4-7.
53. ^CS.W. Zhang, M. Nagle and M.V. Srinivasan (1992) Pattern recognition by using a compound eye-like hybrid system. *Proceedings, Third Australian Conference on Neural Networks*, Canberra, 3-5 February 1992, pp 223-226.
54. ^BS.W. Zhang, M.V. Srinivasan and G.A. Horridge (1992) Pattern recognition in honeybees: local and global analysis. *Proc. R. Soc. Lond. B.* 248, 55-61.
55. ^AM. Lehrer and M.V. Srinivasan (1992) Freely flying bees discriminate between stationary and moving objects: performance and possible mechanisms. *J. Comp. Physiol. A.* 171, 457-467.
56. ^CP. Sobey, S. Sasaki, M. Nagle, T. Toriu, M.V. Srinivasan (1992) A hardware system for computing image velocity in real time. *Proceedings SPIE*, Boston, 1823, 334 - 341.
57. ^BS.W. Zhang and M.V. Srinivasan (1993) Parallel information processing in the visual system of insects. *Japanese Journal of Physiology*, 43, Suppl.1, S247-S258.
58. ^AM. Lehrer, M. Wunderli and M.V. Srinivasan (1993) Perception of heterochromatic flicker by honeybees: a behavioural study. *J. Comp. Physiol. A.* 172, 1-6.
59. ^AM.V. Srinivasan, S.W. Zhang and B. Rolfe (1993) Is pattern vision in insects mediated by 'cortical' processing? *Nature, (Lond.)* 362, 539-540. (This paper was accompanied by a *News & Views* article)
60. ^AM.V. Srinivasan, Z.F. Jin, G. Stange, and M.R. Ibbotson (1993) 'Vector white noise': a technique for mapping the motion receptive fields of direction-selective visual neurons. *Biol. Cybernetics* 68, 199-207.
61. ^AM.V. Srinivasan, S.W. Zhang and K. Chandrashekara (1993) Evidence for two distinct movement-detecting mechanisms in insect vision. *Naturwissenschaften* 80, 38-41.
62. ^CJ.S. Chahl and M.V. Srinivasan (1993) Neural networks to compute global pattern rotation and dilation. *Proceedings, Fourth Australian Conference on Neural Networks*, 154-156.

63. ^AM. Lehrer and M.V. Srinivasan (1993) Object detection by honeybees: why do bees land on edges? *J. Comp. Physiol. A* 173, 23-32.
64. ^CP.J. Sobey, M.G. Nagle, G. Stange, S. Sasaki, M. Shiohara, H. Egawa and M.V. Srinivasan (1993) Artificial vision research in the Centre for Visual Science. *Proc. Image & Vision Computing Conference, New Zealand*, 43-50.
65. ^CM.G. Nagle, M.V. Srinivasan and P. Sobey (1993) Robust depth extraction for mobile robots. *Proc. SPIE, Boston*, Vol. 2056, 207-218.
66. ^CM.V. Srinivasan (1993) An image-interpolation technique for the computation of 2-D motion. *Proceedings, Australian and New Zealand Conference on Intelligent Information Processing Systems*, Perth, 1-3 December, pp. 367-371, 1993.
67. ^CJ.S. Chahl and M.V. Srinivasan (1993) Visual computation of egomotion using an image-interpolation technique. *Proceedings, Australian and New Zealand Conference on Intelligent Information Processing Systems*, Perth, 1-3 December, pp. 372-376, 1993.
68. ^AM. Lehrer and M.V. Srinivasan (1994) Active vision in honeybees: task-oriented suppression of an innate behaviour. *Vision Res.* 34, 511-516.
69. ^BM. V. Srinivasan, S.W. Zhang and K. Witney (1994) Visual discrimination of pattern orientation by honeybees: Performance and implications for 'cortical' processing. *Phil. Trans. R. Soc. Lond. B.* 343, 199-210.
70. ^CM. Shiohara, H. Egawa, S. Sasaki, M. Nagle, P.J. Sobey and M.V. Srinivasan (1993) Real-time optical flow processor ISHTAR. *Proceedings of the Asian Conference on Computer Vision*, Osaka, Japan, pp. 790-793.
71. ^CM.G. Nagle, M.V. Srinivasan and P.J. Sobey (1994) High resolution CCDs and their use in mobility devices. *Proceedings, International Mobility Conference*, Melbourne, 1-3 Feb. 1994. pp. 330-334.
72. ^CM.V. Srinivasan (1994) Generalised gradients versus image interpolation: A critical evaluation of two schemes for measurement of image motion. *Australian Journal of Intelligent Information Processing Systems* 1, 41-50.
73. S.W. Zhang and M.V. Srinivasan (1994) Prior experience enhances pattern discrimination in insect vision. *Nature (Lond.)* 368, 330-332. (This paper attracted a short article in *New Scientist*)
74. ^CM.V. Srinivasan (1994) An image-interpolation technique for the computation of optic flow and egomotion. *Biol. Cybernetics* 71, 401-416.
75. ^CP.J. Sobey, M.G. Nagle, Y.V. Venkatesh and M.V. Srinivasan (1994) Measurement of complex optical flow using an augmented, generalised-gradient scheme. *J. Opt. Soc. Am. A* 11, 2787-2798.
76. ^CM.V. Srinivasan (1994) Capturing complex optic flow through image interpolation. *Proceedings, IMACS International Symposium on Signal Processing, Robotics and Neural Networks*. Villeneuve d'Ascq, France, pp. 620-623.

77. ^{A,C}M.V. Srinivasan, S.W. Zhang, M. Lehrer and T.S. Collett (1994) "Tunnel vision" in bees, and possible applications to robot navigation. *Proceedings, Workshop on Spatial and Temporal Interaction: Representation and Reasoning, at the Third International Conference on Automation, Robotics and Computer Vision, Singapore, 8-11 November 1994.* pp. 56-74.
78. ^BS.W. Zhang and M.V. Srinivasan (1994) Pattern recognition in honeybees: analysis of orientation. *Phil. Trans. R. Soc. Lond B* 346, 399-406.
79. ^AM.V. Srinivasan and M. Davey (1995) Strategies for active camouflage of motion. *Proc. R. Soc. Lond. B.* 259, 19-25.
80. ^BS.W. Zhang, M.V. Srinivasan and T. Collett (1995) Convergent processing in honeybee vision: Multiple channels for the recognition of shape. *Proc. Nat. Acad. Sci.* 92, 3029-3031.
81. ^BA.Giger and M.V. Srinivasan (1995) Pattern recognition in honeybees: Eidetic imagery and orientation discrimination *J. Comp. Physiol. A* 176, 791-795.
82. ^CM.G. Nagle and M.V. Srinivasan (1996) Structure from motion: Determining the range and orientation of surfaces by image interpolation *J. Opt. Soc. Am.* 13, 25-34.
83. ^AM.V. Srinivasan, S.W. Zhang, M. Lehrer and T.S. Collett (1996) Honeybee navigation en route to the goal: visual flight control and odometry. *J. Exp. Biol.* 199, 237-244.
84. ^AM.V. Srinivasan (1995) Strategies for visual navigation, target detection and camouflage: inspirations from insect vision. *Proc. IEEE Int. Conf. Neural Networks*, Perth, 27 Nov. - 1 Dec. Vol 5, pp. 2456-2460.
85. ^CJ. Chahl, K. Weber, M.V. Srinivasan and S. Venkatesh (1995) Centring behaviour for mobile robots using insect based cues. *Proceedings, Second Asian Conference on Computer Vision, Singapore, Dec.4-7*, pp. I-224-228.
86. ^BA.D. Giger and M.V. Srinivasan (1996) Pattern recognition in honeybees: chromatic properties of orientation analysis. *J. Comp. Physiol. A.* 178, 763-769.
87. ^CJ. Chahl and M.V. Srinivasan (1996) Visual computation of egomotion using an image interpolation technique. *Biol. Cybernetics* 74, 405-411.
88. ^BS.W. Zhang, K. Bartsch and M.V. Srinivasan (1996) Maze learning by honeybees. *Neurobiology of Learning and Memory* 66, 267-282.
89. ^CK. Weber, S. Venkatesh and M.V. Srinivasan (1996) Insect inspired behaviours for the autonomous control of mobile robots. *Proceedings, 13th International Conference on Pattern Recognition*, Vienna, August, Vol. A, pp. 156-160.
90. ^AB. Kimmerle, M. Egelhaaf and M.V. Srinivasan (1996) Object-detection by relative motion in freely flying flies. *Naturwissenschaften* 83, 380-381.
91. ^CK. Weber, S. Venkatesh and M.V. Srinivasan (1996) Landmark based corridor discrimination. *Proceedings, ICARCV '96 -- Fifth International Conference on Automation, Robotics and Computer Vision*, pp. 272-276.

92. ^AM.V. Srinivasan (1996) Flies go with the flow. *Nature* 384, 411.
93. ^CM.V. Srinivasan, S. Venkatesh and R. Hosie (1997) Qualitative estimation of camera motion parameters from video sequences. *Pattern Recognition* 30, 593-606.
94. ^CJ.S. Chahl and M.V. Srinivasan (1997) Navigation, path planning and homing for autonomous mobile robots using panoramic visual sensors. *Proceedings, AISB Workshop on Spatial Reasoning in Mobile Robots and Animals, Manchester*, pp. 47-55.
95. ^AM.V. Srinivasan, S.W. Zhang and N. Bidwell (1997) Visually mediated odometry in honeybees. *J. Exp. Biol.* 200, 2513-2522. (This paper attracted a short article in *New Scientist*)
96. ^AR. Kern, M. Egelhaaf and M.V. Srinivasan (1997) Edge detection by landing honeybees: behavioural analysis and model simulations of the underlying mechanism. *Vision Research* 37, 2103-2117.
97. ^BA.D. Giger and M.V. Srinivasan. (1997) Analysis of pattern orientation in the honeybee: temporal constraints. *Naturwissenschaften* 84, 308-311.
98. ^BA.D. Giger and M.V. Srinivasan. (1997) Honeybee vision: analysis of orientation and colour in the lateral, dorsal and ventral fields of view. *J. Exp. Biol.* 200, 1271-1280.
99. ^BS. Oleskevich, J.D. Clements and M.V. Srinivasan (1997) Long-term synaptic plasticity in the honeybee. *J. Neurophysiol.* 78, 528-532.
100. ^CJ.S. Chahl and M.V. Srinivasan (1997) Range estimation with a panoramic visual sensor. *J. Opt. Soc. Am.* 14, 2144-2151.
101. ^CM.V. Srinivasan, J.S. Chahl and S.W. Zhang (1997) Robot navigation by visual dead-reckoning: inspiration from insects. *Int. J. Pattern Recognition and Art. Intell.* 11, 35-47.
102. ^CJ.S. Chahl and M.V. Srinivasan (1997) Reflective surfaces for panoramic imaging. *Applied Optics* 36, 8275-8285. (With cover illustration)
103. ^CM. Nagle, M.V. Srinivasan and D. Wilson (1997) Image interpolation technique for measurement of egomotion in six degrees of freedom *J. Opt. Soc. Am* 12, 3233-3241.
104. ^CM. V. Srinivasan, J.S. Chahl, M.G. Nagle, K. Weber, S. Venkatesh and S.W. Zhang (1997) Robot navigation inspired by principles of insect vision. *Proceedings, International Conference on Field and Service Robotics, Canberra*, 8-10 December, pp. 18-20.
105. ^AM. Davey, T.L. Maddess and M.V. Srinivasan (1998) The spatiotemporal properties of the Craik-O'Brien-Cornsweet effect are consistent with "filling-in" *Vision Res.* 38, 2037-2046.
106. ^AM.P. Davey, M.V. Srinivasan and T. Maddess (1998) The Craik-O'Brien-Cornsweet illusion in honeybees. *Naturwissenschaften* 85, 73-75.
107. ^BS.W. Zhang, M. Lehrer and M.V. Srinivasan (1998) Eye-specific learning of routes and "signposts" by walking honeybees. *J. Comp. Physiol. A.* 182, 747-754.

108. ^AT. Maddess, M.P. Davey, M.V. Srinivasan and A.C. James (1998) The Craik-O'Brien-Cornsweet effect and brightness induction both proceed by the spreading of brightness information. *Aust. and N.Z. J. Ophthalmol.* 26, S95-S97.
109. ^BM.V. Srinivasan (1998) Ants march as they march. *Nature (Lond.)* 392, 660-661.
110. ^BT. Maddess, M.V. Srinivasan and M.P. Davey (1998) Why does the brain fill-in? -response. *Trends Cog. Sci.* 2, 425.
111. ^CK. Weber, S. Venkatesh and M.V. Srinivasan (1999) Insect-inspired robotic homing. *Adapt. Behav.* 7, 65-97.
112. ^AM.V. Srinivasan, S.W. Zhang and M. Lehrer (1998) Honeybee navigation: odometry with monocular input. *Anim. Behav.* 56, 1245-1259.
113. ^AM.V. Srinivasan (1998) Insects as Gibsonian Animals. *Ecol. Psychol.* 10, 251-270.
114. ^BM.V. Srinivasan and S.W. Zhang (1998) Probing perception in a miniature brain: pattern recognition and maze navigation in honeybees. *Zoology: Analysis of Complex Systems* 101, 246-259.
115. ^BM.V. Srinivasan, S.W. Zhang and H. Zhu (1998) Honeybees link sights to smells. *Nature (Lond.)* 396, 637-638. (This paper attracted a short article in *New Scientist*)
116. ^BB.C. Sathees Chandra, L. Geetha, V.A. Abraham, P. Karanth, K. Thomas, M.V. Srinivasan and R. Gadagkar (1998) Uniform discrimination of pattern orientation by honeybees. *Animal Behaviour* 56, 1391-1398.
117. ^AJ.M. Zanker, M. V. Srinivasan and M. Egelhaaf (1999) Speed tuning in elementary motion detectors of the correlation type. *Biol. Cybernetics* 80, 109-116.
118. ^AM.V. Srinivasan, M. Poteser and K. Kral (1999) Motion detection in insect vision and navigation. *Vision Research* 39, 2749-2766.
119. ^AK. Cheng, M.V. Srinivasan and S.W. Zhang (1999) Error is proportional to distance measured by honeybees: Weber's law in the odometer. *Animal Cognition* 2, 11-16.
120. ^BS.W. Zhang, M. Lehrer and M.V. Srinivasan (1999) Honeybee memory: Navigation by associative grouping of visual stimuli. *Neurobiology of Learning and Memory* 72, 180-201.
121. ^CChahl, J. S. & Srinivasan, M. V. (1999) Panoramic vision system for imaging, ranging and navigation in three dimensions. *Proceedings, Field and Service Robotics Conference, Pittsburgh*, August 29-31, pp. 127-132.
122. ^CChahl, J. S. & Srinivasan, M. V. (1999) Panoramic range estimation using a moving camera and a specially shaped reflective surface. *Proceedings, Australian Conference on Robotics and Automation, Brisbane*, March 30 – April 1, pp. 246-251.
123. ^CM.V. Srinivasan, J.S. Chahl, K. Weber, S. Venkatesh, M.G. Nagle & S.W. Zhang (1999) Robot navigation inspired by principles of insect vision. *Robotics and Autonomous Systems* 26, 203-216.

124. ^ASrinivasan, M.V. (1999) When one eye is better than two. *Nature (Lond.)* 399, 305-307.
125. ^ASrinivasan MV, Zhang SW, Berry J, Cheng K, Zhu H (1999) Honeybee navigation: linear perception of short distances travelled. *J. Comp. Physiol. A* 185, 239-245.
126. ^AM.V. Srinivasan, S.W. Zhang, M. Altwein, J. Tautz (2000) Honeybee navigation: nature and calibration of the ‘odometer’. *Science* 287, 851 – 853. (With cover illustration and accompanying *Perspectives* article)
127. ^AM.V. Srinivasan, S.W. Zhang, J.S. Chahl, E Barth & S. Venkatesh (2000) How honeybees make grazing landings on flat surfaces. *Biological Cybernetics* 83, 171-183. (This paper attracted a short article in *New Scientist*)
128. ^CJ.S. Chahl & M.V. Srinivasan (2000) Filtering and processing of panoramic images obtained using a camera and a wide-angle-imaging reflective surface. *J. Opt. Soc. Am. A* 17, 1172-1176.
129. ^BS.W. Zhang, A. Mizutani & M.V. Srinivasan (2000) Maze navigation by honeybees: learning path regularity. *Learning and Memory* 7, 363-374.
130. ^CJ.S. Chahl & M.V. Srinivasan (2000) A complete panoramic vision system, incorporating imaging, ranging, and three-dimensional navigation. *Proceedings, 2000 IEEE Workshop on Omnidirectional Vision, Hilton Head Island, USA, June 12-14*, pp 104-111.
131. ^CM.V. Srinivasan, S.W. Zhang & J.S. Chahl (2001) Landing strategies in honeybees, and possible applications to autonomous airborne vehicles. *Biological Bulletin* 200, 216-221.
132. ^BM. Giurfa, S.W. Zhang, A. Jenett, R. Menzel & M.V. Srinivasan (2001) The concepts of “sameness” and “difference” in an insect. *Nature (Lond.)* 410, 930-933.
133. ^AH. Esch, S.W. Zhang, M.V. Srinivasan & J. Tautz (2001) Honeybee dances communicate distances measured by optic flow. *Nature (Lond.)* 411, 581-583. (With cover illustration).
134. ^ASrinivasan M.V. (2001) Homing in on ant navigation. *Nature (Lond.)* 411, 752-753.
135. ^CBarrows, G.L., Chahl, J.S. and Srinivasan, M.V. (2003) Biologically inspired visual sensing and flight control. *The Aeronautical Journal, London: The Royal Aeronautical Society*, vol. 107, No. 1069, pp. 159-168. (This paper was awarded the Royal Aeronautical Society’s Simms Prize for the best paper of the year).
136. ^CThakoor S. Chahl J. Srinivasan MV, Werblin F, Young L, Hine B, Zornetzer S. (2002) Bioinspired Engineering of Exploration Systems for NASA and DoD, *Artificial Life Journal*, Vol 8, Issue 4.
137. ^CChahl, J., Thakoor, S., Bouffant, N. L., Stange G., Srinivasan, M.V., Hine, B., Zornetzer, S. (2003), Bioinspired Engineering of Exploration Systems: A Horizon Sensor/Attitude Reference System Based on the Dragonfly Ocelli for Mars Exploration Applications. *Journal of Robotic Systems* 20, 35-42.
138. ^ASrinivasan, MV and Kelley, D. (2002) Editors of 7 articles on the Neurobiology of Behavior, in *Current Opinion in Neurobiology* 12, 697-750.

139. ^ASrinivasan, M.V. and Kelley, D. (2002) Neurobiology of Behavior: Editorial Overview. In: *Current Opinion in Neurobiology* 12, 697-698.
140. ^CBarrows, G.L., Chahl, J.S. and Srinivasan, M.V. (2002) Biomimetic visual sensing and flight control. In: *Proceedings of the Seventeenth International Conference on Unmanned Air Vehicle Systems (UAVs), Bristol, U.K., 8-10 April 2002*.
141. ^BL. Chen, S.W. Zhang and M. V. Srinivasan (2003) Global perception in small brains: Topological pattern recognition in honey bees. *Proceedings of the National Academy of Science* 100, 6884-6889.
142. ^AA. Si, M.V. Srinivasan & S.W. Zhang (2003) Honeybee Navigation: Properties of the Visually Driven 'Odometer'. *J. Exp. Biol.* 206, 1265-1273. (With cover illustration).
143. ^AMizutani, A., Chahl, J.S. and Srinivasan, M.V. (2003) Motion camouflage in dragonflies. *Nature (Lond.)* 423, 604.
144. ^CSrinivasan M.V. (2003) A new class of mirrors for wide-angle imaging. *Proceedings, IEEE Workshop on Omnidirectional Vision and Camera Networks. Madison, Wisconsin, USA., June 2003*.
145. ^BJ. Reinhard, M.V. Srinivasan and S.W. Zhang (2004) Scent-triggered navigation in honeybees. *Nature (Lond.)* 427, 411.
146. ^CJ.S. Chahl, M.V. Srinivasan, and S.W. Zhang (2004) Landing strategies in honeybees, and applications to UAVs. *International Journal of Robotics Research* 23, 101-110.
147. ^AJ. Tautz, S.W. Zhang, J. Spaethe, A. Brockmann, A. Si and M. Srinivasan (2004) Honeybee odometry: performance in varying natural terrain. *PLOS Biology* 2, 915-923.
148. ^BJ. Reinhard, M.V. Srinivasan, D. Guez and S.W. Zhang (2004) Floral scents induce recall of navigational and visual memories in honeybees. *Journal of Experimental Biology* 207, 4371-4381. (This paper was selected by the Faculty of 1000)
149. ^CM.V. Srinivasan, S.W. Zhang, J S Chahl, G Stange and M Garratt (2004) An overview of insect inspired guidance for application in ground and airborne platforms. *Proc Inst Mech Engrs Part G: J Aerospace Engineering* 218, 375-388.
150. ^BS.W. Zhang, M.V. Srinivasan, H.Zhu and J. Wong (2004) Grouping of visual objects by honeybees. *Journal of Experimental Biology* 207, 3289-3298.
151. ^AD. Guez, S.W. Zhang and M.V. Srinivasan (2005) Methyl Parathion modifies foraging behaviour in honeybees (*Apis mellifera*). *Ecotoxicology* 14, 431-437.
152. ^BS.W. Zhang, F. Bock, A. Si, J. Tautz and M.V. Srinivasan (2005) Visual working memory in decision making by honeybees. *Proceedings of the National Academy of Science* 102, 5250-5255. (This paper was selected by the Faculty of 1000)
153. ^AE. Baird, M.V. Srinivasan, S.W. Zhang and A.Cowling (2005) Visual control of flight speed in honeybees. *Journal of Experimental Biology* 208, 3895-3905.

154. ^CW. Stuerzl and M.V. Srinivasan (2005) Omnidirectional vision with frontal stereo. In: *Lecture Notes in Computer Science* 3663, Eds.: W. Kropatsch, R. Sablatnig, and A. Hanbury pp. 49-5, Springer Verlag.
155. ^BS. Wang, S.W. Zhang, K. Sato and M.V. Srinivasan (2005) Maturation of odor representation in the honey bee antennal lobe. *Journal of Insect Physiology* 51, 1244-1254.
156. ^AT. Vladusich, J. Hemmi, M.V. Srinivasan and J. Zeil (2005) Interactions of visual odometry and landmark guidance during food search in honeybees. *Journal of Experimental Biology* 208, 4123-4135.
157. ^AA.B. Barron, H. Zhu, G.E. Robinson and M.V. Srinivasan (2005) Influence of flight time and flight environment on distance communication by dancing honey bees. *Insectes Sociaux* 52, 402-407.
158. ^BJ. Reinhard, M.V. Srinivasan and S.W. Zhang (2006) Complex memories in honeybees: Can there be more than two? *Journal of Comparative Physiology A* 192, 409-416. (*This paper was selected by the Faculty of 1000*)
159. ^AA. Barron and M.V. Srinivasan (2006) Visual regulation of ground speed and headwind compensation in freely flying honey bees (*Apis mellifera* L.) *Journal of Experimental Biology* 209, 978-984.
160. ^CA. Veeraraghavan, M.V. Srinivasan, R. Chellappa, E. Baird, R. Lamont (2006) Motion Based Correspondence for 3D Tracking of Multiple Dim Objects. In *Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing*, May 14-19, (ICASSP), Toulouse, France.
161. ^AM.V. Srinivasan (2006) Small brains, smart computations: Vision and navigation in honeybees, and applications to robotics. *Brain-Inspired IT II. International Congress Series*, vol 1291, 3-37.
162. ^BP. Letzkus, W.A. Ribi, J.T. Wood, H. Zhu, S.W. Zhang, M.V. Srinivasan (2006) Lateralization of olfaction in the honeybee *Apis mellifera*. *Current Biology* 16, 1471-1476.
163. ^AE. Baird, M.V. Srinivasan, S.W. Zhang, R. Lamont and A. Cowling (2006) Visual control of flight speed and height in the honeybee. *Lecture Notes in Artificial Intelligence*, S. Nolfi et al. (eds), 4095, 40-51, Springer Berlin/Heidelberg.
164. ^CM.V. Srinivasan, S. Thurrowgood and D. Soccol (2006) An optical system for guidance of terrain following in UAVs. *Proceedings, IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS '06)*, Sydney 22-24 November 2006, pp. 51-56.
165. ^AU. Schroeter, S.L.J. Wilson, M.V. Srinivasan, M.R. Ibbotson (2007) The morphology, physiology and function of suboesophageal neck motor neurons in the honeybee. *Journal of Comparative Physiology A* 193, 289-304.
166. ^AM. Dacke and M.V. Srinivasan (2007) Honeybee navigation: Distance estimation in the third dimension. *Journal of Experimental Biology* 210, 845-853.
167. ^AA. Cheung, S.W. Zhang, C. Stricker, and M.V. Srinivasan (2007) Animal navigation: The difficulty of moving in a straight line. *Biological Cybernetics* 97, 47-61.

168. ^AA. Cheung, S.W. Zhang, C. Stricker, and M.V. Srinivasan (2007) Animal navigation: Pitfalls and remedies. *Proceedings of the 63rd Annual Meeting of the Institute of Navigation*, Cambridge, MA, USA. April 23-25, pp. 270-279.
169. ^CD. Soccol, S. Thurrowgood and M.V. Srinivasan (2007) A vision system for optic-flow-based guidance of UAVs. *Proceedings, Ninth Australasian Conference on Robotics and Automation*, Brisbane, 10-12 December.
170. ^CS. Thurrowgood, W. Stuerzl, D. Soccol and M.V. Srinivasan (2007) A panoramic stereo imaging system for aircraft guidance. *Proceedings, Ninth Australasian Conference on Robotics and Automation*, Brisbane, 10-12 December.
171. ^BP. Letzkus, N. Boeddeker, J.T. Wood, S.W. Zhang and M.V. Srinivasan (2008) Lateralization of visual learning in the honeybee. *Biol. Lett.* 4, 16-18.
172. ^CC. McCarthy, N. Barnes and M.V. Srinivasan (2007) Real time biologically-inspired depth maps from spherical flow. *Proceedings, IEEE Conference on Robotics and Automation*, 10-14 April 2007, pp. 4887 – 4892.
173. ^CA. Veeraraghavan, R. Chellappa and M.V. Srinivasan (2008) Shape-and-Behavior encoded tracking of bee dances. *IEEE Transactions on Pattern Analysis and Machine Intelligence* 30, 463-476.
174. ^BM. Dacke and M.V. Srinivasan (2008) Evidence for counting in insects. *Animal Cognition* 11(4): 683-9. (This paper was highlighted by the journal *Nature* (455/25 Sept 2008) and by the *Faculty of 1000*).
175. ^AM. Dacke and M.V. Srinivasan (2008) Two odometers in honeybees? *J. Exp. Biol.* 211, 3281-3826. (With cover illustration).
176. ^AE. Baird, N. Boeddeker, J. Reinhard, S.W.Zhang, M.R. Ibbotson, and M.V. Srinivasan (2008) A visual strategy for landing on a vertical surface. *Proceedings, International Conference on Robotics Systems*, Nice, France, Sept. 22-26, 2008.
177. ^CW. Stürzl, D. Soccol, J. Zeil, N. Boeddeker, and M. V. Srinivasan (2008) Rugged, obstruction-free, mirror-lens combination for panoramic imaging. *Applied Optics* 47 (32), pp. 6070–6078. (With cover illustration).
178. ^AA. Cheung, S.W. Zhang, C. Stricker, M.V. Srinivasan (2008) Animal navigation: General properties of directed walks. *Biol. Cybern.* 99, 197-217.
179. ^CN. Nourani-Vatani, J. Roberts and M.V. Srinivasan (2008) IMU aided 3D visual odometry for car-like vehicles. *Proceedings, Tenth Australasian Conference on Robotics and Automation*, Canberra, Australia, 3-5 December 2008.
180. ^CN. Nourani-Vatani, J. Roberts and M.V. Srinivasan (2009) Practical visual odometry for car-like vehicles. *Proceedings, 2009 IEEE International Conference on Robotics and Automation*, Kobe, Japan, May 12 - 17, 2009.

181. ^CR.J.D. Moore, S. Thurrowgood, D. Bland, D. Soccol and M.V. Srinivasan (2009) A stereo vision system for UAV guidance. *Proceedings, IEEE /RSJ International Conference on Intelligent Robots and Systems*, 11-15 October, ST. Louis, Missouri, USA.
182. ^CS. Thurrowgood, D. Soccol, R.J.D. Moore, D. Bland and M.V. Srinivasan (2009) A vision based system for attitude estimation of UAVs. *Proceedings, IEEE /RSJ International Conference on Intelligent Robots and Systems*, 11-15 October, St. Louis, Missouri, USA.
183. ^CM.V. Srinivasan, S. Thurrowgood and D. Soccol (2009) From flying insects to autonomously navigating robots. *IEEE Robotics and Automation Magazine*, Special Issue on Cognitive Robotics. 16(3): 59-71.
184. ^AP. Bhagavatula, C. Claudianos, M. Ibbotson and M. Srinivasan (2009) Edge detection in landing budgerigars (*Melopsittacus undulatus*). *PLoS ONE* 4(10): e7301
185. ^AC. Evangelista, P. Kraft, M. Dacke, J. Reinhard and M.V. Srinivasan (2010) The moment before touchdown: Landing manoeuvres of the honeybee *Apis mellifera*. *Journal of Experimental Biology* 213, 262-270.
186. ^BJ. Reinhard, M. Sinclair, M. Srinivasan and C. Claudianos (2010) Honeybees learn odour mixtures via a selection of key odorants. *PLoS ONE* 5, e9110.
187. ^BS. Biswas, J. Reinhard, J. Oakeshott, R. Russell, M. Srinivasan and C. Claudianos (2010) Sensory regulation of Neuroligins and Neurexin I in the honeybee brain. *PLoS ONE* 5, e9133.
188. ^CR.J.D. Moore, S.Thurrowgood, D. Bland, D. Soccol and M. Srinivasan (2010) UAV altitude and attitude stabilization using a coaxial stereo vision system. In: *Proceedings, IEEE International Conference on Robotics and Automation*. Anchorage, Alaska, 3-8 May 2010. IEEE Press.
189. ^BD. Guez, H. Zhu, S.W. Zhang and M.V. Srinivasan (2010) Enhanced cholinergic transmission promotes recall in honeybees. *Journal of Insect Physiology* 56, 1341-1348.
190. ^CW. Stuerzl and M.V. Srinivasan (2010) Omnidirectional imaging system with constant elevational gain and single viewpoint. In: *Proceedings, 10th Workshop on Omnidirectional Vision, Camera Networks and Sensors*, Zaragoza, Spain, 27 June 2010.
191. ^CS. Thurrowgood, R.J.D. Moore, D. Bland, D. Soccol and M.V. Srinivasan (2010) UAV attitude control using the visual horizon. *Proceedings, Twelfth Australasian Conference on Robotics and Automation (ARCA 2010)*, Brisbane, 1-3 December 2010. (This paper obtained the highest referee score among the accepted papers)
192. ^AP. Kraft, C. Evangelista, M. Dacke, T. Labhart and M. V. Srinivasan (2011) Honeybee navigation: Following routes using polarized-light cues. *Phil. Trans. R. Soc. B.* 366, 703-708.
193. ^AT Luu, A. Cheung, D. Ball and M.V. Srinivasan (2011) Honeybee flight: A novel 'streamlining' response. *Journal of Experimental Biology*. 214, 2215-2225. (This paper was highlighted by the Faculty of 1000, and was featured as the 'Editor's choice in Neuroscience' in *The Scientist*, Nov/Dec 2011).
194. ^CR.J.D. Moore, S.Thurrowgood, D. Bland, D. Soccol and M.V. Srinivasan (2011) A fast and adaptive method for estimating UAV attitude from the visual horizon. *Proceedings, IEEE /RSJ*

International Conference on Intelligent Robots and Systems, San Francisco, California, USA, 25-30 September 2011, paper ThCT8.3.

195. ^AP. Bhagavatula, C. Claudianos, M. Ibbotson and M. Srinivasan (2011) Optic flow cues guide flight in birds. *Current Biology* 21, 1794-1799.
196. ^CJ. Fernandes, A. Postula, S. Thurrowgood, and M. Srinivasan (2011) Insect inspired vision for micro aerial vehicle navigation. *Proceedings, Australasian Conference on Robotics and Automation (ACRA 2011)*, Melbourne, 7-9 December 2011, paper 114.
197. ^CR.J.D. Moore, S. Thurrowgood, D. Soccol, D. Bland and M.V. Srinivasan (2011). A method for the visual estimation and control of 3-DOF attitude for UAVs. *Proceedings, Australasian Conference on Robotics and Automation (ACRA 2011)*, Melbourne, 7-9 December 2011, paper 142.
198. ^CN. Nourani-Vatani, P.V.K. Borges, J.M. Roberts and M.V. Srinivasan (2011). Topological localization using optical flow descriptors. *Proceedings, IEEE International Conference on Computer Vision Workshop*, Barcelona, 6-13 November 2011.
199. ^CR. Benosman, S-H. Ieng, C. Clercq, C. Bartolozzi and M.V. Srinivasan (2012) Asynchronous frameless event-based optical flow. *Neural Networks* 27, 32-37.
200. ^CR.J.D. Moore, S. Thurrowgood and M.V. Srinivasan (2012) Vision-only estimation of wind field strength and direction from an aerial platform. *Proceedings, IEEE /RSJ International Conference on Intelligent Robots and Systems*, Vilamoura, Portugal, 7-12 October 2012.
201. ^AG.J. Taylor, T. Luu, D. Ball and M.V. Srinivasan (2013) Vision and air flow combine to streamline flying honeybees. *Scientific Reports* 3, 2614. DOI: 10.1038/srep02614.
202. ^AE. Baird, N. Boeddeker, M.R. Ibbotson and MV. Srinivasan (2013) A universal strategy for visually guided landing. *Proceedings of the National Academy of Science* 110, 18686-91.
203. ^CR. Strydom, S. Thurrowgood and M.V. Srinivasan (2013) Airborne vision system for the detection of moving objects. *Proceedings, Australasian Conference on Robotics and Automation (ACRA 2013)*, Sydney, 2-4 December 2013, paper 178s1.
204. ^CS. Baker, D. Soccol, A. Postula and M.V. Srinivasan (2013) Passive landing gear using coupled mechanical design. *Proceedings, Australasian Conference on Robotics and Automation (ACRA 2013)*, Sydney, 2-4 December 2013, paper 175s1.
205. ^CH. Wang, H. Kurniawati, S. Singh and M.V. Srinivasan (2013) Animal locomotion *in silico*: A POMDP-based tool to study mid-air collision avoidance strategies in flying animals. *Proceedings, Australasian Conference on Robotics and Automation (ACRA 2013)*, Sydney, 2-4 December 2013, paper 167s1.
206. ^AI. Schiffner and M.V. Srinivasan (2013) Behavioural lateralization in budgerigars varies with the task and the individual. *PLoS One* 8(12): e82670.
207. ^AC. Evangelista, P. Kraft, M. Dacke, T. Labhart and M.V. Srinivasan (2014) Honeybee navigation: critically examining the role of the polarization compass. *Philosophical Transaction of the Royal Society B* 369: 20130037.

208. ^AP. S. Bhagavatula, C. Claudianos, M.R. Ibbotson and M.V. Srinivasan (2014) Behavioral lateralization and optimal route choice in flying budgerigars. *PLoS Computational Biology*. 10(3): e1003473. doi:10.1371/journal.pcbi.1003473 (Featured research paper)
209. ^AR.J. D. Moore, G.J. Taylor, A.C. Paulk, T. Pearson, B. van Swinderen, and M.V. Srinivasan (2014) FicTrac: a visual method for tracking spherical motion and generating fictive animal paths. *Journal of Neuroscience Methods* 225, 106-119.
210. ^AA. Paulk, J.A. Stacey, T.W.J. Pearson, G.J. Taylor, R.J.D. Moore, M.V. Srinivasan and B. van Swinderen (2014) Selective attention in the honeybee optic lobes precedes behavioral choices. *Proceedings of the National Academy of Science* 111, 5006-5011.
211. ^CS. Thurrowgood, R. J. D. Moore, D. Soccol, M. Knight and M.V. Srinivasan (2014) A biologically inspired, vision-based guidance system for automatic landing of a fixed-wing aircraft. *Journal of Field Robotics* 31, 699-727.
212. ^CR. Strydom, S. Thurrowgood and M.V. Srinivasan (2014) Visual odometry: Autonomous UAV navigation using optic flow and stereo. *Proceedings, Australasian Conference on Robotics and Automation (ACRA 2014)*, Melbourne, 2-4 December 2014, paper 133. *This won the best student paper award.*
213. ^AI. Schiffner, H.D. Vo, P.S. Bhagavatula and M.V. Srinivasan (2014) Minding the gap: in-flight body awareness in birds. *Frontiers in Zoology* 11, 64-70.
214. ^CN. Nourani-Vatani, P.V.K. Borges, J.M. Roberts and M.V. Srinivasan (2014) On the use of optical flow for scene change detection and description. *Journal of Intelligent Robotic Systems* 74, 817-846.
215. ^CN. Bauer, P. Pathirana, S. Ekanayake and M.V. Srinivasan (2014) Convergence of object focused simultaneous estimation of optical flow and state dynamics. *International Journal of Advanced Robotic Systems* 11:158 doi: 10.5772/58698.
216. ^CA. Denuelle, S. Thurrowgood, F. Kendoul and M.V. Srinivasan (2015) A view-based method for local homing of unmanned rotorcraft. *Proceedings, 6th International IEEE Conference on Automation, Robotics and Applications (ICARA)*, pp. 443-449.
217. ^CH. Wang, H. Kurniawati, S. Singh and M.V. Srinivasan (2015) In-silico Behavior Discovery System: An Application of Planning in Ethology. *Proceedings, 25th International Conference on Automated Planning and Scheduling*, Jerusalem, Israel, June 7-11, 2015. *This won the best paper award.*
218. ^AI. Schiffner and M.V. Srinivasan (2015) Direct evidence for vision-based control of flight speed in budgerigars. *Scientific Reports* 5, 10992; doi: 10.1038/srep10992.
219. ^CA. Denuelle, S. Thurrowgood, R. Strydom, F. Kendoul and M.V. Srinivasan (2015) Biologically-inspired visual stabilization of a rotorcraft UAV in unknown outdoor environments. *Proceedings, International Conference on Unmanned Aerial Systems (ICUAS'15), Denver (USA)*, 9-12 June 2015.
220. ^CR. Strydom, S. Thurrowgood, A. Denuelle and M.V. Srinivasan (2015) UAV guidance: A stereo-based technique for interception of stationary or moving targets. Paper 20, *Proceedings, 16th International Conference, Towards Autonomous Robotic Systems*, Liverpool, UK, 8-10 September 2015, pp. 258-269.

221. ^CA. Denuelle and M.V. Srinivasan (2015) Snapshot-based navigation for the guidance of UAS. Paper 118s1, *Proceedings, Australasian Conference on Robotics and Automation*, 2-4 December 2015, Canberra, Australia.
222. ^CT. Jouir, R. Strydom and M.V. Srinivasan (2015) A 3D sky compass to achieve robust estimation of UAV attitude. Paper 116s1, *Proceedings, Australasian Conference on Robotics and Automation*, 2-4 December 2015, Canberra, Australia.
223. ^CR. Strydom, S.Thurrowgood and M.V. Srinivasan (2015) TCM: A fast technique to determine if an object is moving or stationary from a UAV.Paper112s1, *Proceedings, Australasian Conference on Robotics and Automation*, 2-4 December 2015, Canberra, Australia.
224. ^CA. Denuelle and M.V. Srinivasan (2015) Bio-Inspired Visual Guidance: From Insect Homing to UAS Navigation. Paper MoM03.1, *Proceedings, IEEE Conference on Robotics and Biomimetics*, December 6-9, Zuhai, China.
225. ^CA. Denuelle, R. Strydom and M.V. Srinivasan (2015) Snapshot-Based Control of UAS Hover in Outdoor Environments. Paper TuM01.3, *Proceedings, IEEE Conference on Robotics and Biomimetics*, December 6-9, Zuhai, China. *This paper was 1 of 6 shortlisted for the Best Paper Award at this conference.*
226. ^CR. Strydom, S. Singh and M.V. Srinivasan (2015) Biologically Inspired Interception: A Comparison of Pursuit and Constant Bearing Strategies in the Presence of Sensorimotor Delay. *Proceedings, IEEE Conference on Robotics and Biomimetics, (ROBIO)*. IEEE, 2015, pp. 2442–2448.
227. ^AG.J. Taylor, A.C. Paulk, T.W.J. Pearson, R.J.D. Moore, J.A. Stacey, D. Ball, B. van Swinderen, M.V. Srinivasan (2015) Insects modify their behaviour depending on the feedback sensor used when walking on a trackball in virtual reality. *Journal of Experimental Biology* 218 (19), 3118-3127.
228. ^AM. N. Van De Poll, E.L. Zajaczkowski, G.J Taylor, M.V. Srinivasan, and B. van Swinderen (2015) Using an abstract geometry in virtual reality to explore choice behaviour: visual flicker preferences in honeybees. *Journal of Experimental Biology* 218 (21), 3448-3460.
229. ^CR. Strydom, S. Thurrowgood, A. Denuelle and M.V. Srinivasan (2016) TCM: A vision-based algorithm for distinguishing between stationary and moving objects irrespective of depth contrast from a UAS. *International Journal of Advanced Robotic Systems*, DOI: 10.5772/62846. *Winner of journal's "Rising Star" award.*
230. ^CA. Denuelle and M. V. Srinivasan (2016) A sparse snapshot-based navigation strategy for UAS guidance in natural environments. *IEEE International Conference on Robotics and Automation (ICRA)*, Stockholm, Sweden, 2016, pp. 3455-3462. doi: 10.1109/ICRA.2016.7487524
231. ^AH.D. Vo, I. Schiffner and M.V. Srinivasan (2016) Anticipatory manoeuvres in bird flight. *Scientific Reports* 6:27591.
232. ^AI. Schiffner and M.V. Srinivasan (2016) Budgerigar flight in a varying environment: flight at distinct speeds? *Biology Letters* 12: 20160221.
-

233. ^CD. Karmaker, I. Schiffner, R. Strydom and M.V. Srinivasan (2016) WHoG: A weighted HoG-based scheme for the detection of birds and identification of their poses in natural environments. Proceedings, *International Conference on Control, Automation, Robotics and Vision*, Phuket, Thailand, 13-15 November 2016, P0296.
234. ^CD. Gunasinghe, R. Strydom, M.V. Srinivasan (2016) A mid-air collision warning system: Vision-based estimation of collision threats for aircraft. *Proceedings, Australasian Conference on Robotics and Automation*, 5-7 December, Brisbane, Australia, Paper 111 S1. (*Best student paper award*)
235. ^AI. Schiffner, T. Perez, M.V. Srinivasan (2016) Strategies for pre-emptive mid-air collision avoidance in Budgerigars. *PLoS ONE* 11(9): e0162435. doi:10.1371/journal.pone.0162435
236. ^BJ. Groening, D. Venini, M.V. Srinivasan (2017) In search of evidence for the experience of pain in honeybees: A self-administration study. *Scientific Reports* 7:45825 | DOI: 10.1038/srep45825 (*This paper was selected by the Faculty of 1000*)
237. K.K.K. Lawson and M.V. Srinivasan (2017) Flight control of fruit flies: dynamic response to optic-flow and headwind. *Journal of Experimental Biology*, pp.jeb-153056.
238. ^AM.Ong, M. Bulmer, J. Groening and M.V. Srinivasan (2017) Obstacle traversal and route choice in flying honeybees: Evidence for individual handedness. *PloS One*, 12(11), e0184343.
239. R. Strydom and M.V. Srinivasan (2017) UAS stealth: target pursuit at constant distance using a bio-inspired motion camouflage guidance law. *Bioinspiration and Biomimetics*, 12(5), 055002.
240. ^CD. Gunasinghe and M.V. Srinivasan (2017) A strategy for mid-air collision avoidance: Speed modulation to increase minimum separation using a mutually independent and mutually beneficial technique. Paper 139, *Proceedings, 2017 IEEE International Conference on Robotics and Biomimetics*, Macau SAR, China.
241. ^AM.R. Ibbotson, Y.S. Hung, H. Meffin, N. Boeddeker and M.V. Srinivasan (2017) Neural basis of forward flight control and landing in honeybees. *Scientific reports* 7(1), 14591.
242. ^CH. Wright, R. Strydom and M.V. Srinivasan (2018) A generalized algorithm for tuning UAS flight controllers. *Proceedings, 2018 International Conference on Unmanned Aircraft Systems (ICUAS 2018)*, Dallas, Tx, USA, June 12-15.
243. ^CD. Gunasinghe, K.K.K. Lawson, R. Strydom and M.V. Srinivasan (2018) A mid-air collision warning system: Performance comparison using simulated ADS-B, radar and vision sensor inputs. *Proceedings, 2018 International Conference on Unmanned Aircraft Systems (ICUAS 2018)*, Dallas, Tx, USA, June 12-15.
244. ^CT. Jour, R. Strydom, T.M. Stace and M.V. Srinivasan (2018) Vision-only egomotion estimation in 6DOF using a sky compass. *Robotica* 36, 1571-1589.
245. ^BJ. Groening, D. Venini and M.V. Srinivasan (2018) Effects of cold anaesthesia on the defensive behaviour of honeybees. *Insectes Sociaux* 65, 359-366.
-

246. ^CT.L. Molloy, G.S. Garden, T. Perez, I. Schiffner, D. Karmaker and M.V. Srinivasan (2018) An inverse differential game approach to modelling bird mid-air collision avoidance behaviours. *Proceedings, 18th IFAC Symposium on System Identification (SYSID 2018)*, Stockholm, Sweden, 9-11 July 2018.
247. ^AD. Karmaker, I. Schiffner, M. Wilson and M.V. Srinivasan (2018) The bird gets caught by the WORM: tracking multiple deformable objects in noisy environments using Weight Ordered logic Maps. *Proceedings, 13th International Symposium on Visual Computing (ISVC 2018)*, Las Vegas, USA, 19-21 November 2018. Also published in *Advances in Visual Computing*, G. Bebis et al. (eds), Springer Nature Switzerland AG, p.332-343.
248. ^CD. Karmaker, I. Schiffner, M. Wilson and M.V. Srinivasan (2018) Image denoising with Weighted ORientation-Matched filters (WORM). *Proceedings, IEEE International Conference on Robotics and Biomimetics (ROBIO 2018)*, Kuala Lumpur, Malaysia, 12-15 December 2018.
249. ^{A,C}K.K.K. Lawson and M.V. Srinivasan (2018) A robust dual-axis virtual reality platform for closed-loop insect flight analysis. *Proceedings, IEEE International Conference on Robotics and Biomimetics (ROBIO)*, Kuala Lumpur, Malaysia, 12-15 December 2018, pp. 262-267. *This won the Best Student Paper Award.*
250. ^AM.Y. Mahadeeshwara and M.V. Srinivasan (2018) Coordinated turning behaviour of loitering honeybees. *Scientific Reports* 8(1):1-4.
251. ^CD. Gunasinghe, K. K. Lawson, E. Davis, R. Strydom and M. Srinivasan (2019) Mid-Air Conflict Avoidance and Recovery: An Acceleration-Based Approach for Unmanned Aircraft. *IEEE Robotics and Automation Letters*, 4, 2054-2061. doi: 10.1109/LRA.2019.2899924.
252. ^AK.K.K. Lawson and M.V.Srinivasan (2020) Contrast sensitivity and visual acuity of Queensland fruit flies (*Bactrocera tryoni*). *Journal of Comparative Physiology A* 3,1-10.
253. ^AD. Karmaker, J. Groening, M. Wilson, I. Schiffner, and M.V. Srinivasan (2020) Budgerigars adopt robust, but idiosyncratic flight paths. *Scientific Reports* 10(1), 1-12.
254. ^AE. Baird, N. Boeddeker, and M.V. Srinivasan (2021) The effect of optic flow cues on honeybee flight control in wind. *Proceedings of the Royal Society B*, 288(1943), 20203051.

Review articles

- R1. ^AR. Wehner and M.V. Srinivasan (1984) The world as the insect sees it. In: *Insect Communication*, T. Lewis (ed), Academic Press, New York, pp. 29-47.
- R2. ^AM.V. Srinivasan (1989) Motion sensitivity in insect vision: roles and neural mechanisms. In: *Neurobiology of Sensory Systems*, R. Naresh Singh and N.J. Strausfeld (eds), Plenum Press, New York, pp. 97-106.
- R3. ^AM.V. Srinivasan (1992) Distance perception in insects. *Current directions in Psychological Science* 1: 22-26.

- R4. ^AM.V. Srinivasan (1992) How flying bees compute range from optical flow: Behavioral experiments and neural models. In: "Nonlinear Vision", R.B. Pinter (ed), CRC, Boca Raton pp 353-375.
- R5. ^AM.V. Srinivasan (1992) How insects exploit optic flow: behavioural experiments and neural models. *Phil. Trans R. Soc. Lond. B* 337: 253-259.
- R6. ^AM.V. Srinivasan (1993) How insects infer range from visual motion. In: "Visual Motion and its Role in the Stabilization of Gaze", F.A. Miles and J. Wallman (eds), Elsevier, Amsterdam, 139-156.
- R7. ^BM.V. Srinivasan (1993) Even insects experience visual illusions. *Current Science* 64, 649-655.
- R8. ^BM.V. Srinivasan (1994) Pattern recognition in the honeybee: recent progress. *J. Insect Physiol.* 40, 183-194.
- R9. ^CM.V. Srinivasan, J.S. Chahl, M.G. Nagle, K. Weber, S. Venkatesh and S.W. Zhang (1995) Low-level vision in insects, and applications to robot navigation. In: *Computational Intelligence: A Dynamic System Perspective*, M. Palaniswami, Y. Attikouzel, R.J. Marks, D. Fogel, and T. Fukuda (eds), IEEE Press, Piscataway, N.J. pp. 312-326.
- R10. ^AM.V. Srinivasan and S.W. Zhang (1996) Low-level vision in bees. *Systems, Control and Information* 40, 19-25.
- R11. ^BM.V. Srinivasan and S.W. Zhang (1996) The amazing brains of insects. *Search* 27, 250-253.
- R12. ^CM.V. Srinivasan, J.S. Chahl, M.G. Nagle and S.W. Zhang (1997) Embodying natural vision into machines. In: *From Living Eyes to Seeing Machines*, M.V. Srinivasan and S. Venkatesh (eds), Oxford University Press, U.K., pp. 249-265.
- R13. ^CM.V. Srinivasan, J.S. Chahl and S.W. Zhang (1997) Robot navigation by visual dead-reckoning: inspiration from insects. In: *Spatial Computing: Issues in vision, multimedia and visualisation technologies*, T. Caelli, P. Lam and H. Bunke (eds), World Scientific, Singapore, pp. 35-47.
- R14. ^CK. Weber, S. Venkatesh and M.V. Srinivasan (1997) Insect inspired behaviours for the autonomous control of mobile robots. In: *From Living Eyes to Seeing Machines*, M.V. Srinivasan and S. Venkatesh (eds), Oxford University Press, U.K. pp. 226-248.
- R15. ^AM.V. Srinivasan and S.W. Zhang (1997) Visual control of honeybee flight. In: *Orientation and Communication in Arthropods*, M. Lehrer (ed)., Birkhauser Verlag , pp. 95-114.
- R16. ^CM.V. Srinivasan (1998) From insect eyes to seeing machines. In: *New Neuroethology on the Move*, N. Elsner and R. Wehner (eds), Georg Thieme Verlag, Stuttgart, New York, pp. 145-161.
- R17. ^CM.V. Srinivasan, J.S. Chahl, K. Weber, S. Venkatesh, M.G. Nagle and S.W. Zhang (1998) Robot navigation inspired by principles of insect vision. In: *Field and Service Robotics*, A. Zelinsky (ed), Springer Verlag, Berlin, New York, 12-16.
- R18. ^CM.V. Srinivasan, J.S. Chahl, K. Weber, S. Venkatesh and M.G. Nagle (2000) From Insects to Robots. In: *Experimental Robotics VI, Lecture Notes in Control and Information Sciences*, 250, P. Corke and J. Trevelyan (Eds), pp 3-12, Springer-Verlag London Berlin Heidelberg.
- R19. ^AM.V. Srinivasan and S.W. Zhang (2000) Visual navigation in flying insects. In: *International Review of Neurobiology*, Vol. 44, *Neuronal Processing of Optic Flow*, M. Lappe (Ed.), Academic Press, San Diego, pp. 67-92.

- R20. ^CM.V. Srinivasan, J.S. Chahl, K. Weber, S. Venkatesh (2000) From living insects to autonomous robots. In: *Evolutionary Robotics*, T. Gomi (ed.), pp 133-156, AAI Books, Ontario, Canada.
- R21. ^AM.V. Srinivasan (2000) Visual navigation: The eyes know where their owner is going. In: *Motion Vision - Computational, Neural, and Ecological Constraints*. J. Zanker and J. Zeil (eds), Springer Verlag, Berlin Heidelberg New York, pp. 181-186.
- R23. ^CM.V. Srinivasan, MV (2002) Visual Flight Control and Navigation in Honeybees, and Applications to Robotics. In: *Neurotechnology for Biomimetic Robots*, J. Ayers, J.L. Davis and A. Rudolph (eds.), MIT Press, pp 593 – 610.
- R24. ^BM.V. Srinivasan, and S.W. Zhang (2003) Small Brains, Smart Minds: Vision, Perception and ‘Cognition’ in Honeybees. *IETE J. Res.* 49, 127-134.
- R25. ^AM.V. Srinivasan (2003) Honeybee Navigation. *Current Biology* 13, R894.
- R26. ^AR. Wehner and M.V. Srinivasan (2003) Path Integration in Insects. R. Wehner and M.V. Srinivasan. In: *The Neurobiology of Spatial Behaviour*, K.K. Jeffery (ed), Oxford University Press, pp. 9-30.
- R27. ^CM.V. Srinivasan, S.W. Zhang, J.S. Chahl, and M.A. Garratt (2003) Landing strategies in honeybees, and applications to UAVs. In: *Robotics Research: The Tenth International Symposium*, R.A. Jarvis and A. Zelinsky (eds.), Springer-Verlag, Berlin Heidelberg New York, pp. 373-384.
- R28. ^BS.W. Zhang and M.V. Srinivasan (2004) Exploration of cognitive capacity in honeybees. In: *Complex Worlds from Simpler Nervous Systems*, (ed. Frederick R. Prete). MIT Press, pp. 41-74.
- R29. ^CJ.S. Chahl, M.V. Srinivasan and S.W. Zhang (2004) Landing strategies in honeybees, and applications to UAVs. *International Journal of Robotics Research* 23, 101-110.
- R30. ^AM.V. Srinivasan and S.W. Zhang (2004) Motion Cues in Insect Vision and Navigation. In: *The Visual Neurosciences*, L.M. Chalupa and J.S. Werner (eds), MIT Press, pp. 1193-1202. ISBN 0-262-03308-9
- R31. ^BS.W. Zhang and M.V. Srinivasan (2004) Visual Perception and Cognition in Honeybees. In: *The Visual Neurosciences*, L.M. Chalupa and J.S. Werner (eds), MIT Press, pp. 1501-1513. ISBN 0-262-03308-9
- R32. ^AM.V. Srinivasan, S.W. Zhang (2004) Visual motor computations in insects. *Annual Review of Neuroscience* 27, 679-696.
- R33. ^BM.V. Srinivasan, S.W. Zhang and J. Reinhard (2006) Small brains, smart minds: vision, perception, navigation and ‘cognition’ in insects. In: *Invertebrate Vision*, E.J. Warrant and D.E. Nilsson (eds), Cambridge University Press, pp. 462-493.
- R34. ^BM.V. Srinivasan (2006) Honeybee vision: In good shape for shape recognition. *Dispatch, Current Biology* 16, R58-R60.
- R35. ^CM.V. Srinivasan (2005) Putting science into the engineering of robots. Book review, *International Journal of Advanced Robotics Systems* 2, 374

- R36. ^AM.V. Srinivasan (2006) Q & A Interview with M.V. Srinivasan. *Current Biology* 16, R824-825.
- R37. ^AM. Collet, T.S. Collett and M.V. Srinivasan (2006) Insect navigation: measuring travel distance across ground and through air. Dispatch, *Current Biology* 16, R887-R890.
- R38. ^BJ. Reinhard and M.V. Srinivasan (2009) The role of scents in honeybee foraging and recruitment. In: *Food Exploitation by Social Insects: Ecological, Behavioral, and Theoretical Approaches*. (S. Jarau, M. Hrnair, eds.) CRC Press, Boca Raton, USA. pp. 165-182.
- R 39. ^{A,B}M.V. Srinivasan and J. Reinhard (2008) Bees: Beyond the Honey. In: *The Finlay Lloyd Book about Animals* (J. Davies, I. Hansen, eds.), Finlay Lloyd Press, Braidwood, NSW, Australia.
- R 40. ^{A,B}M.V. Srinivasan: Small brains, smart minds. *Australasian Science*, Jan/Feb 2008, pp. 22-24.
- R41. ^CM.V. Srinivasan, S. Thurrowgood and D. Soccol (2009) From visual guidance in flying insects to autonomous aerial vehicles. In: *Flying Insects and Robots*, D. Floreano, J.-C. Zufferey, M.V. Srinivasan and C. Ellington (eds.), Springer- Verlag Berlin, Heidelberg, pp. 15-28.
- R42. ^CM.V. Srinivasan, S. Thurrowgood and D. Soccol (2011) UAV guidance inspired by principles of insect vision. In: *Encyclopedia of Aerospace Engineering*, R. Blockley and W. Shyy (eds), John Wiley & Sons Ltd, Chichester, U.K. pp 4363-4374. ISBN: 9780470754405
- R43. ^{A,B}M.V. Srinivasan (2009) Honey bees as a model for vision, perception and ‘cognition’. *Annual Review of Entomology* 55, 267–284
- R44. ^BM.V. Srinivasan (2010) Honeybee communication: A signal for danger. *Current Biology* 20, R366-367.
- R45. ^{A,C}M.V. Srinivasan (2011) Honeybees as a model for the study of visually guided flight, navigation, and biologically inspired robotics. *Physiological Reviews* 91, 389-411 (*With cover illustration*)
- R46. ^CR.J.D. Moore, S.Thurrowgood, D. Bland, D. Soccol and M.V. Srinivasan (2011) A Bio-Inspired Stereo Vision System for Guidance of Autonomous Aircraft. In: *Advances in Theory and Applications of Stereo Vision*, Asim Bhatti (Ed.), ISBN: 978-953-307-516-7, InTech Publishers. Available from: <http://www.intechopen.com/articles/show/title/a-bio-inspired-stereo-vision-system-for-guidance-of-autonomous-aircraft>.
- R47. ^{A,C}M.V. Srinivasan, R.J.D. Moore, S. Thurrowgood, D. Soccol and D. Bland (2012) From biology to engineering: Insect vision and applications to robotics. In: *Frontiers in Sensing: From Biology to Engineering*, F.G. Barth, J.G.C. Humphrey and M.V. Srinivasan (eds), Springer-Verlag, Vienna/New York, pp. 19-39.
- R48. ^{A,C}M.V. Srinivasan (2011) Visual control of navigation in insects and its relevance for robotics. *Current Opinion in Neurobiology* 21, 535-543. (*With cover illustration*)
- R49. ^BM.V. Srinivasan (2012) Bee learning and communication. In: *Encyclopedia of the Sciences of Learning*, N.M. Seel (ed.). Springer-Verlag, Vienna/New York, pp. 418-421.
- R50. ^{A,C}M.V. Srinivasan, R.J.D. Moore, S. Thurrowgood, D. Soccol, D. Bland and M. Knight (2013) Vision and navigation in insects, and applications to aircraft guidance. In: *The Visual Neurosciences*, J.S. Werner and L.M. Chalupa (eds), MIT Press, pp. 1219-1232.

- R51. ^AM.V. Srinivasan (2014) Going with the flow: a brief history of the study of the honeybee's navigational 'odometer'. *J. Comp. Physiol. A* 200, 563-573.
- R52. ^CM.V. Srinivasan (2015) Of Bees, Birds and 'Bots: Visual guidance of flight in natural systems, and applications to autonomous aerial vehicles. *IEEE Potentials Magazine*, Issue 2, 15-20. DOI 10.1109/MPOT.2014.2372061.
- R53. ^AM.V. Srinivasan (2015) Where paths meet and cross: Navigation by path integration in the desert ant and the honeybee. *J. Comp. Physiol A* 201, 533-546.
- R54. ^{A,C}R. Strydom, A. Denuelle, and M. Srinivasan (2016) Bio-inspired principles applied to the guidance, navigation and control of UAS. *Aerospace* 3(3), 21; doi:10.3390/aerospace3030021.
- R55. ^{A,B}M.V. Srinivasan (2017) How lost "passenger" ants find their way home. *Learning & Behavior*, 1-2.
- R56. ^AM.V. Srinivasan (2017) Optic flow. In: J. Vonk, T.K. Shackelford (eds.), *Encyclopedia of Animal Cognition and Behavior*. https://doi.org/10.1007/978-3-319-47829-6_1299-1, Springer International Publishing AG.
- R57. ^AD. Altshuler and M.V. Srinivasan (2018) Comparison of visually guided flight in insects and birds. *Frontiers in Neuroscience* 12, 157.
- R58. ^{A,B,C}M.V. Srinivasan (2021) Vision, perception, navigation and 'cognition' in honeybees and applications to aerial robotics. *Biochemical and Biophysical Research Communications* 564, 4-17.
- R59. ^{A,B,C}M.V. Srinivasan (in press) Small brains, smart minds, and biologically inspired flying machines. In: *Bees*, Z. Stanthorpe, A. Noble and E. Goldthorpe (eds), Massey University Press, New Zealand.

Books

- B1. ^{A,C}*From Living Eyes to Seeing Machines*. M.V. Srinivasan and S. Venkatesh (eds), Oxford University Press, U.K. (1997).
- B2. ^{A,C}*Flying Insects and Robots*. D. Floreano, J-C. Zufferey, M.V. Srinivasan and C. Ellington (eds.), Springer-Verlag, Berlin, Heidelberg, 2009. ISBN: 978-3-540-89392-9. 316 pages.
- B3. ^{A,C} *Frontiers in Sensing: From Biology to Engineering*. F.G. Barth, J.G.C. Humphrey and M.V. Srinivasan (eds), Springer-Verlag Vienna/New York (2012), 438 pages. ISBN 978-3-211-99748-2.
- B4. ^A*The Visual Neurosciences*. J.S. Werner and L.M. Chalupa (Editors), M. Burns, J. Geng, M. Goldman, J. Handa, A. Ishida, G.R. Mangun, K. McAllister, B. Olshausen, G. Recanzone, M.V. Srinivasan, W.M. Usrey, M. Webster, D. Whitney (Associate Editors), MIT Press (2013), 2000 pages. ISBN 9780262019163.
-

Patents

- P1. ^CJ.S. Chahl, M. Nagle, M.V. Srinivasan and P. Sobey. A novel system for panoramic video surveillance. Australian Patent WO95/06303 (1997), U.S. Patent 5790181 (1998), European Patent 0715743 (2002).
- P2. ^CJ.S. Chahl and M.V. Srinivasan (1997) Imaging system. Australian Provisional Patent application PO3976/96, U.S. Patent 6429418 (2002).
- P3. ^CJ.S. Chahl and M.V. Srinivasan (1997) Range finding. Australian Provisional Patent application filed 19 August 1997.
- P4. ^CM.V. Srinivasan, S. Thurrowgood and D. Soccol (2006) Optical detection system. Australian Provisional Patent application, priority date 21 September 2006.
- P5. ^CM.V. Srinivasan, S. Thurrowgood and D. Soccol (2007) Optical detection system. International (PCT) Patent Application No PCT/AU2007/001406, priority date 21 September 2006
- P6. ^CM.V. Srinivasan, S. Thurrowgood and D. Soccol (2007) Optical detection system-Australian Provisional Patent Application No. 2007906795, priority date 14 December 2007
-

Book Reviews

- ^CM.V. Srinivasan (2005) Putting science into the engineering of robots. *International Journal of Advanced Robotics Systems* 2(4), 374.
- ^BM.V. Srinivasan (2008) Commentary on M.R. Bennett and P.M.S. Hacker, *History of Cognitive Neuroscience*, Oxford University Press.
-

Conference abstracts

ca. 140 conference abstracts. Details can be provided on request.
