CURRICULUM VITAE

SOPHIE M WUERGER
https://pcwww.liv.ac.uk/~sophiew/index.htm

HIGHER EDUCATION
1991	Ph.D. in Experimental Psychology & Neuroscience (New York University)
1986	B.Sc/Diploma (1st class) in Experimental Psychology (University of Regensburg)

HONOURS AND DISTINCTIONS
2019	Geoffrey-Burton Award for contributions to Vision Science (AVA, UK)
2014	Honorary Professor at the University of Science & Technology, Liaoning, China
2011	Visiting Professor at the Computer Vision Centre, University of Barcelona, Spain
2008	Visiting Professor at University of Regensburg, Germany
2001	Senior NRC Fellow at NASA Ames (National Research Council, USA)
1995-	Honorary Research Fellow at the Institute of Ophthalmology, UCL, London
2014 -	Honorary Professor, University of Science & Technology, Liaoning, China

EMPLOYMENT RECORD
Sep 2013	Promotion to Professor
Feb 2003-	Assistant Professor in the School of Psychology, University of Liverpool, UK
Sep 2002	Promotion to Senior Lecturer/Assistant Professor, University of Keele
2001	Senior Research Scientist, NASA Ames Research Center, USA
1995-2001	Lecturer, Communication & Neuroscience, University of Keele
1993-1994	Postdoctoral Fellow, Institute of Ophthalmology, UCL.
1991-1993	Postdoctoral Fellow, Center for Neural Science, New York University

EDITORIAL BOARDS
2018-now	Action Editor of i-Perception/Perception
2013-2016	Associate Editor of Multisensory Research (Brill, USA)
2009-2013	Associate Editor of 'Seeing and Perceiving' (Brill, USA)
2010-2017	Review Editor of 'Frontiers in Perception Science' (Switzerland)
2011-2013	Technical Chair of the AIC2013 (Newcastle)

NATIONAL AND INTERNATIONAL COMMITTEES
2002-	CIE Technical Committee on Contrast Sensitivity Functions (TC160), USA
2006-2008	Trustee of the Colour Group UK
2009-2013	Technical Chair of the AIC (International Association of Colour) meeting
2009-	Scientific Committee of the European Conference of Visual Perception (ECVP)
2009-	Chair of the CIE TC 1-76 (C) Unique Hue Data
2009-2012	Associate Member of F1000 Biology: Neuroscience
2010-	Full member of the EPSRC college (ICT)

HIGHER DEGREE SUPERVISION

1996-1999 D. Connah (Ph.D)
1999-2003 H. Owens (Ph.D 2003)
2000-2005 A. Goodwin (Ph.D 2005)
2004-2007 E. Perez (Co-Supervisor; Ph.D 2007)
2005-2009 N. Harrison (Co-Supervisor; Ph.D. 2009)
2010-current C. Bode (Co-Supervisor;Ph.D.)
2011- 2017: Rob Black (Ph.D)
2012-2016: Tushar Chauhan (Ph.D)
2013-2016: Laurence Tidbury (Ph.D)
2014-current Adel Ferrari (Ph.D.)
2016-current Ryan Horsfall (Ph.D)
2016-current Michael Ward (Ph.D w/Engineering)
2017-current Ryan Ward (Ph.D w/EEE)

RESEARCH FELLOW SUPERVISION

1997-2000   Dr. L. Doherty
2000-2001   Dr. T.Yates
2000-2004   Dr. A. Ruppertsberg
2004-2005   Dr. Dimos Karatzas
2006- 2009   Dr. Jasna Martinovic
2008- 2009   Dr. Chenyang Fu
2008- 2010   Dr. Kaida Xiao
2010-2011   Dr. Huang Qingmei (visiting scholar; Bejing Institute of Technology)
2010-2011   Mr. Dimitris Mylonas (KTP)
2011-2012   Dr. Esther Perales
2011- 2013   Dr. Joanne Powell
2013-2016   Dr. Kaida Xiao
2014-2017   Dr. Ali Sohaib
2017-2018   Dr. Jeremiah Kelly
2019- now   Ms Maliha Ashraf
2019-2020   Dr Kinjiro Amano

PUBLICATIONS

PAPERS PUBLISHED IN REFEREED JOURNALS

1. Wuerger S.M. and Landy M.S. (1989). Depth interpolation with sparse disparity cues. Perception, 17 (18), 39-54.

2. Wuerger S.M. and Landy M.S. (1993). Structure from motion for chromatic and luminance stimuli. Journal of the Optical Society of America A, 10 (6), 1363-1372.

3. Wuerger S.M. (1994). `The Stiles-Crawford-Effect' by H. Goldmann (1942). COLOR research and application, 19 (2), 34-138.

4. Wuerger S.M., Maloney, L., and Krauskopf J. (1995). Proximity judgments in color space: test of a Euclidean color geometry. Vision Research, 35 (6), 827-835.

5. Wuerger S.M. (1996). Color appearance changes resulting from isoluminant chromatic adaptation. Vision Research, 36 (19), 3107-3118.

6. Castet, E. and Wuerger, S.M. (1997). Perception of moving lines: Interactions between local perpendicular signals and 2D motion signals. Vision Research, 37 (6), 705-720.

7. Wuerger, S.M. , Shapley, R. M., and Rubin, N. (1997). On the visually perceived direction of motion, by H. Wallach (1935): 60 years later. Perception, 25 (11), 1317-1368.

8. Wuerger, S.M. and Morgan, M.J. (1999). The input of the long- and medium-wavelength-sensitive cones to orientation discrimination. Journal of the Optical Society of America A, 16(3), 443-454.

9. Wuerger, S.M., Morgan M.J., Westland, S., and Owens, H. (2000). The spatio-chromatic sensitivity of the human visual system. New Journal of Physics: Physiological Measurements, 21(11), 505-513.

10. Wuerger, S.M., Owens, H, and Westland, S. (2001). Blur Tolerance for luminance and chromatic stimuli. Journal of the Optical Society of America A, 18(6), 1231-1239.

11. Meyer, G.F. and Wuerger, S.M (2001). Crossmodal integration of auditory and visual motion signals, NeuroReport, 12, 2557-2560.

12. Wuerger, S.M., Watson, A.B., and Ahumada, A. (2002). Towards a spatio-chromatic standard observer for detection, in Human Vision and Electronic Imaging VII, ed. B. E. Rogowitz and T.N. Pappas, Proceedings of SPIE, San Jose, CA, USA, Vol. 4662, pp. 159-172.

13. Wuerger, S.M., Hofbauer, M. and Meyer G. (2003) The integration of auditory and visual motion signals at threshold, Perception & Psychophysics 65(8), 1188-1196

14. Ruppertsberg, A., Wuerger, S.M. and Bertamini (2003). The chromatic selectivity of global motion perception, Visual Neuroscience, Vol. 20, 421-428

15. Meyer, G.F., Mulligan, J., and Wuerger, S.M (2004). Continuous Audio-visual digit recognition using N-best decision fusion, Information Fusion, 5, 91-101

16. Hofbauer, M., Wuerger, S. M., Meyer, G. F., Roehrbein, M., Schill, K., & Zetzsche, C. (2004). Catching audio-visual mice: Predicting the arrival time of auditory-visual motion signals. Cognitive, Affective & Behavioral Neuroscience, 4(2), 241–250

17. Meyer, G. F., Wuerger, S. M.,. Roehrbein, M., & Zetzsche, C. (2005). Low-level Integration of Auditory and Visual Motion Signals Requires Spatial Co-localisation, Experimental Brain Research, 166 (3-4), 538-547.

18. Wuerger, S.M, Atkinson, P. and Cropper, S.J. (2005). The Cone Inputs to the Unique-hue Mechanisms, Vision Research, 45, 3210-3223.

19. Cropper, S. J. & Wuerger, S. M. (2005). The perception of motion in chromatic stimuli. Behavioural and Cognitive Neuroscience Reviews, 4(3) 192-217

20. Wuerger, S. and Karatzas (2006). A Hardware-Independent Colour Calibration Technique, Annals of the British Machine Vision Association, 3, 1-10.

21. Ruppertsberg, A., S.M. Wuerger, and M. Bertamini (2007) When S-cones contribute to global motion perception. Visual Neuroscience, 24: 1-8.

22. Bertamini, M., Martinovic, J. , Wuerger, SM (2008). Integration of ordinal and metric cues in depth processing, Journal of Vision, 8, 1-12.

23. Parkes, L. Oxley, D. Marsman, J.-B., Y. Goulermas and Wuerger, S.M. (2009). Multivoxel fMRI analysis of color tuning in human primary visual cortex. Journal of Vision 9(1): 1-13. doi: 10.1167/9.1.1.

24. Martinovic, J, G. Meyer, M. Mueller, S.M. Wuerger (2009). S cone signals invisible to the motion system can improve motion discrimination via grouping-by-colour, Visual Neuroscience, 26, 237-248.

25. Wuerger, S.M., Meyer, G., Hofbauer, M., Schill, K. and C. Zetzsche (2010). Motion extrapolation of auditory-visual targets, Information Fusion, 11, 45–50.

26. Wuerger, S., Xiao, K., Fu, C., & Karatzas, D. (2010). Colour-opponent mechanisms are not affected by age-related chromatic sensitivity changes. *Ophthalmic and Physiological Optics, 30* (5), 653-659.

27. Xiao, K., Fu, C., Karatzas, D., & Wuerger, S. (2010). Visual gamma correction for LCD displays. *Displays, 32*(1), 17-23.

28. Xiao, K., Wuerger, S., Fu, C., & Karatzas, D. (2011). Unique hue data for colour appearance models. Part I: Loci of unique hues and hue uniformity. *Color Research & Application*, 36 (5), 316-323. DOI: 10.1002/col.20637

29. Harrison, N. R., Wuerger, S. M., & Meyer, G. F. (2011). Reaction time facilitation for horizontally moving auditory-visual stimuli. *Journal of Vision*, 10(14), 1-21.

30. Meyer, G., Greenlee, M., & Wuerger, S. (2011) Interactions between Auditory and Visual Semantic Stimulus Classes: Evidence for Common Processing Networks for Speech and Body Actions. *Journal of Cognitive Neuroscience, 23(9), 2271-2288.*

31. Wuerger, S. M., Ruppertsberg, A., Malek, S., Bertamini, M., & Martinovic, J. (2011). The integration of local chromatic motion signals is sensitive to contrast polarity. *Visual Neuroscience,* 28**,** 239-246.

32. Martinovic, Mordal, Wuerger (2011). Event-related potentials reveal an early advantage for luminance contours in the processing of objects, *Journal of Vision*, **11**(7), p. 1-15.

33. Fu, C., Xiao, K., Karatzas, D., & Wuerger, S. (2011). An investigation of unique hue settings as a function of age. *Chinese Optics Letters*, Vol. 9, Num. 5, pp. 1-5.

34. Wuerger, S.M., Crocker-Buque, A., and Meyer G.(2011) Evidence for auditory-visual processing specific to biological motion, *Seeing and Perceiving*, 25, pp. 15-28.

35. Wuerger, S., Parkes, L., Lewis, P.A., Crocker-Buque, A., Rutschmann, R., & Meyer, G. F. (2012). Premotor Cortex Is Sensitive to Auditory–Visual Congruence for Biological Motion *Journal of Cognitive Neuroscience,* 24(3), pp. 575-587. doi:10.1162/jocn_a_00173

36. Wuerger, S.M Xiao, K. Mylonas, D. , Huang, Q. , Hird, E. Paramei, G. (2012). Blue-Green colour categorisation in Mandarin-English speakers, *Journal of the Optical Society of America*, 29 (2), A102-107.

37. Xiao, K., Fu, C., Mylonas, D., Karatzas, D., & Wuerger, S. (2013). Unique hue data for colour appearance models. Part II: Chromatic adaptation transform. Color Research & Application, 38(1), 22-29. doi: 10.1002/col.20637

38. Wuerger, S.M. (2013). Colour Constancy Across the Life Span: Evidence for Compensatory Mechanisms**.** *PLoS ONE*; 8 (5): e63921 DOI: 10.1371/journal.pone.0063921

39. Meyer, G. F., Harrison, N. R., & Wuerger, S. M. (2013). The time course of auditory–visual processing of speech and body actions: Evidence for the simultaneous activation of an extended neural network for semantic processing. Neuropsychologia, 51(9), 1716-1725. doi: http://dx.doi.org/10.1016/j.neuropsychologia.2013.05.014

40. Makin, A., & Wuerger, S. (2013). The IAT shows no evidence for Kandinsky's colour-shape associations. Frontiers in Perception Science, 4. doi: 10.3389/fpsyg.2013.00616.

41. Kosilo, M., Wuerger, S. M., Craddock, M., Jennings, B. J., Hunt, A. R., & Martinovic, J. (2013). Low-level and high-level modulations of fixational saccades and high frequency oscillatory brain activity in a visual object classification task. Frontiers in Psychology, 4.

42. Chauhan, T., Perales, E., Xiao, K., Hird, E., Karatzas, D., & Wuerger, S. (2014). The achromatic locus: Effect of navigation direction in color space. Journal of Vision, 14(1), 25.

43. Parraga, A, Roca-Vila, J., Wuerger, S. and Karatzas, D. (2014). Limitations of visual gamma corrections in LCD displays. Displays*,* DOI: 10.1016/j.displa.2014.07.001

44. Kaida Xiao, Michael Pointer, Guihua Cui, Tushar Chauhan and Sophie Wuerger (2015). Unique Hue Data for Colour Appearance Models. Part III: Comparison with NCS unique hues. Colour Research & Application, doi: 10.1002/col.21898.

45. Harrison, Neil R. , Witheridge, Sian , Makin, Alexis , Wuerger, Sophie , Pegna, Alan J. and Meyer, Georg. (2015). The effects of stereo disparity on the behavioural and electrophysiological correlates of perception of audio-visual motion in depth. Neuropsychologia. ISSN 1873-3514 (Online); 0028-3932 (print). DOI: 10.1016/j.neuropsychologia.2015.09.023

46. Kaida Xiao, Julian M Yates, Faraedon Zardawi, Suchitra Sueeprasan, Ningfang Liao, Lisey Gill, Changjun Li, Sophie Wuerger (2016) Characterising the variations in ethnic skin colours: a new calibrated data base for human skin. Skin Research and Technology. *Epub:*8 JUN 2016, DOI: 10.1111/srt.12295

47. K. Xiao, Y. Zhu, C. Li, D. Connah, J. M. Yates, and S. Wuerger, "Improved method for skin reflectance reconstruction from camera images," Optics Express 24, 14934-14950 (2016). doi: 10.1364/OE.24.014934

48. Tidbury, Laurence, Anna R. O'Connor, Kevin R. Brooks, Sophie M. Wuerger (2016): A systematic comparison of static and dynamic cues to depth, Invest Ophthalmol Vis Sci, 57(8), 3545-3553. doi:10.1167/iovs.15-18104

49. Sahni, J. N., Czanner, G., Gutu, T., Taylor, S. A., Bennett, K. M., Wuerger, S. M., … Harding, S. P. (2016). Safety and acceptability of an organic light-emitting diode sleep mask as a potential therapy for retinal disease. *Eye*, *31*, 97. http://dx.doi.org/10.1038/eye.2016.259

50. Sohaib, A., Amano, K., Xiao, K., Yates, J., Whitford, C. and Wuerger, S (2018). Colour quality of facial prostheses in additive manufacturing. Int J Adv Manuf Technol. https://doi.org/10.1007/s00170-017-1480-x

51. Wang, MM, Xiao, K., Luo, RM, Pointer, M., Cheung, V. and Wuerger, S. (2018). An investigation into the variability of skin colour measurements. *Colour Research and Application DOI: 10.1002/col.22230*

52. Martinovic, J., Wuerger, S. M., Hillyard, S. A., Müller, M. M., & Andersen, S. K. (2018). Neural mechanisms of divided feature-selective attention to colour. *NeuroImage*, *181*, 670–682. https://doi.org/10.1016/j.neuroimage.2018.07.033

53. Tidbury, L. P., O'Connor, A. R., & Wuerger, S. M. (2019). The effect of induced fusional demand on static and dynamic stereoacuity thresholds: the digital Synoptophore. *BMC Ophthalmology*, *19*(1), 6. https://doi.org/10.1186/s12886-018-1000-2

54. Chauhan, T., Xiao, K., & Wuerger, S. (2019). Chromatic and luminance sensitivity for skin and skin-like textures. *Journal of Vision*, *19*(1), 13. https://doi.org/10.1167/19.1.13

55. Sophie Wuerger, Maliha Ashraf, Minjung Kim, Jasna Martinovic, María Pérez-Ortiz, Rafał K. Mantiuk; Spatio-chromatic contrast sensitivity under mesopic and photopic light levels. *Journal of Vision* 2020; 20(4):23. doi: https://doi.org/10.1167/jov.20.4.23

56. Meyer, G., Amano, K., Xiao, K., Wuerger, S. (2020). "Fake tan" or "fake news"? *i-Perception, 11*(2), 1–5. doi:10.1177/2041669520915734

57. Horsfall, Ryan, S. Wuerger and G. Meyer. "Visual intensity-dependent response latencies predict perceived audio–visual simultaneity." *Journal of Mathematical Psychology* 100 (2021): 102471. pdf. https://doi.org/10.1016/j.jmp.2020.102471.

58. Horsfall RP, Wuerger SM, Meyer GF. Narrowing of the Audiovisual Temporal Binding Window Due To Perceptual Training Is Specific to High Visual Intensity Stimuli. *i-Perception*. January 2021. doi:10.1177/2041669520978670

59. R. J. Ward, F. P. M. Jjunju, E. J. Griffith, S. M. Wuerger and A. Marshall, "Artificial Odour-Vision Syneasthesia via Olfactory Sensory Argumentation," in *IEEE Sensors Journal*, vol. 21, no. 5, pp. 6784-6792, 1 March1, 2021, doi: 10.1109/JSEN.2020.3040114.

60. Amano K, Xiao K, Wuerger S, Meyer G (2020) A colorimetric comparison of sunless with natural skin tan. PLoS ONE 15(12): e0233816. https://doi.org/10.1371/journal.pone.0233816

61. R. J. Ward, S. Wuerger, and A. Marshall, "Smelling sensations: olfactory crossmodal correspondences," *bioRxiv*, p. 2020.04.15.042630, Jan. 2020, accepted for publication at the *Journal of Perceptual Imaging.*

62. Lu, Yang, Xiao, Pointer, Li, and Wuerger (2020). Skin coloration is a weak but culturally specific cue to perceived health and attractiveness", Evolution and Human Behaviour *(under review).*

PAPERS PUBLISHED AS PROCEEEDINGS (PEER-REVIEWED FULL PAPERS)

63. Owens, H.C, Westland, S. and Wuerger, S.M. (1997). Blur tolerance and perceived sharpness in the chromatic and the luminance domain. Proceedings of the Fifth Colour Imaging Conference, Scottsdale, Arizona, USA, pp. 235-240

64. Wuerger, S.M., Westland, S. and Owens, H. (2000). Blur tolerance in various colour directions. Proceedings of the Conference on Colour in Perception and Image Processing, St. Etienne, France, pp. 305-310.

65. Wuerger, S.M., Watson, A.B., and Ahumada, A. (2002). Towards a spatio-chromatic standard observer for detection, in Human Vision and Electronic Imaging VII, ed. B. E. Rogowitz and T.N. Pappas, Proceedings of SPIE, San Jose, CA, USA, Vol. 4662, pp. 159-172.

66. Westland, S. Thomson, M., Wuerger, S.M., Doherty, L. Yates, T., MacDonald, L. Chen. Q. (2002). Creation of a Hyperspectral Image Set. Proceedings of the International Congress of Imaging Science, Tokyo, Japan, pp 423-437.

67. Meyer, G., & Wuerger, S. M. (2004). The integration of auditory and visual motion signals: neural summation vs independent decisions. Proceedings of 18th International Congress on Acoustics, Kyoto, Japan, pp. 2209-2214.

68. Wuerger, S.M., Karatzas, D. and Meyer, G. (2005) A Display Calibration Technique based on Invariant Human Colour Mechanisms, Proceedings of the 2nd Symposium on Applied Perception in Graphics and Visualisation, ACM SIGGRPAH, Spain, 239-245.

69. Wuerger, S.M. (2006) The linearity of colour appearance mechanisms, Proceedings of the 3nd European Conference on Color in Graphics, Imaging and Vision, Leeds, UK, pp. 1250-1259.

70. Wuerger, S. and Karatzas (2006). A Hardware-Independent Colour Calibration Technique, Annals of the British Machine Vision Association, 3, 1-10.

71. Meyer, G. , Crocker-Buque, A. and Wuerger, SM (2007). Auditory-visual integration of biological motion. Proceedings of the 19th International Congress on Acoustics, Madrid, Spain, pp. 1211-1219.

72. Parkes LM, Oxley DC, Marsman, JBC, Wuerger SM (2007) Colour Coding in LGN and V1 revealed by fMRI pattern classification. ISMRM. Wiley, Berlin

73. Bao, S., Ralph, J. F., Meyer, G., & Wuerger, S. (2007). *Exploring non-Gaussian behaviour in EEG data using random field methods.* Paper presented at the Proceedings of the International Symposium CompIMAGE 2006 - Computational Modelling of Objects Represented in Images: Fundamentals, Methods and Applications.

74. Fu C, Karatzas D, Xiao K, Wuerger S. (2009). Changes in colour perception across the life span. In: Proceedings of the 11th Congress of the International Colour Association (AIC). Sydney, Australia.

75. Xiao K, Fu C, Karatzas D, Wuerger S. (2009). An improved method of visual gamma correction for LCD displays. In: Proceedings of the 11th Congress of the International Colour Association (AIC). Sydney, Australia.

76. Wuerger S, Fu C, Xiao K, Karatzas D. (2009). Colour-opponent mechanisms are not affected by sensitivity changes across the life span. In: Proceedings of the 11th Congress of the International Colour Association (AIC). Sydney, Australia.

77. Meyer, G., Wuerger, S. & Uomini, N.T. (2010) . In: A.D.M. Smith, M. Schouwstra, B. de Boer, and K. Smith ed(s). The evolution of language, Proceedings of the 8th international Conference . World Scientific, Utrecht pp 14-17.

78. Mylonas, D., MacDonald, L., & Wuerger, S. M. (2010). Towards an online color naming model. Eighteenth Color Imaging Conference: Color Science and Engineering Systems, Technologies, and Applications, San Antonio, Texas, USA. November 2010, 140-144

79. Xiao, K., Fu, C. Karatzas, D. Mylonas, D. & Wuerger, S. (2011). "Locating Unique Hues under Mixed Illumination Conditions in CIECAM02, In: Proceedings of the 19th Color and Imaging Conference (CIC19), November 7-10, 2011 in San Jose, CA.

80. Z Mehboob, H Yin, S Wuerger, L Parkes (2012): Multivoxel Pattern Analysis Using Information-Preserving EMD, Intelligent Data Engineering and Automated Learning-IDEAL, 19-26

81. Li, C., Luo, M., & Wuerger, S. M. (2013). The need for negative tristimulus values. Proceedings of the 12th Congress of the International Colour Association (AIC), Newcastle, UK

82. Xiao, K., Pointer, M., Cui, G., Chauhan, T., & Wuerger, S. M. (2013). An evaluation of unique hue predictions in CIECAM02. Proceedings of the 12th Congress of the International Colour Association (AIC), Newcastle, UK.

83. Chauhan, T., Perales, E., Karatzas, D., Xiao, K., & Wuerger, S. M. (2013). Determining the achromatic locus: effect of ambient illumination. Proceedings of the 12th Congress of the International Colour Association (AIC), Newcastle, United Kingdom.

84. Wuerger, S. (2013). Colour constancy across the life span: effect of ambient illumination. Proceedings of the 12th Congress of the International Colour Association (AIC), Newcastle, United Kingdom.

85. Xiao, Zardaw, van Noort, Wuerger & Yates (2013). Developing a 3D colour image reproduction system for additive manufacturing of facial prostheses. Proceedings of the 21th Color and Imaging Conference (CIC19), Albuquerque, New Mexico, USA.

86. Black, R., Meyer, G., & Wuerger, S. (2014). The effect of stereoscopic acquisition parameters on both distortion and comfort. Proceedings of the SPIE meeting : Stereoscopic Displays and Applications XXV.

87. Xiao, Qin, Chauhan, Li, Wuerger (2014). Principal Component Analysis for Skin Reflectance Reconstruction. Proceedings of the 22nd Colour and Imaging Conference, Boston, USA.

88. Xiao, Wang, Yin, Li & Wuerger (2015). Development of a skin reflectance re-construction model using a skin database, AIC conference proceeding 2015.

89. Mengmeng Wang, Kaida Xiao ,Vien Cheung, Sophie Wuerger, Ronnier Luo (2015). Measuring Human Skin Colour, Proceedings of the 23rd Colour and Imaging Conference, Darmstadt, Germany. ISSN 2166-9635. pp. 230-234(5).

90. Mengmeng Wang, Kaida Xiao, Ronnier Luo, Yuteng Zhu, Sophie Wuerger (2015). Investigation of uncertainty of skin colour measurements, Paper at the annual meeting of the Commission International de l'Eclairage, June 29 – July 3, 2015, Manchester, UK

91. T. Chauhan, K. Xiao, SM Wuerger (2016). Discrimination Thresholds For Skin Images And Derived Textures. Paper at the 4th CIE Expert Symposium on Colour and Visual Appearance, Prague, Sep 2016.

92. Mengmeng Wang, Ming Ronnier Luo, Kaida Xiao, Sophie Wuerger, Yuzhao Wang (2016). New Spectral Data for Skin Colours. Proceedings of the 24th Colour and Imaging Conference, November 7 - 11, 2016, San Diego, CA, USA. . ISBN: 978-0-89208-325-1. PP. 266-270.

93. Mengmeng WANG, Kaida XIAO, Sophie WUERGER, Haoxue LIU, Ming HUANG, Ming Ronnier LUO (2016) SKIN COLOUR MEASUREMENT USING NON-CONTACT METHODS. CIE conference proceeding 2016. ISBN 978-3-902842-65-7. PP. 487-492.

94. Kaida Xiao , Mengmeng Wang , Ronnier Luo, Changjun Li, Sophie Wuerger (2016). Characterisation of skin spectra in a Caucasian and Oriental sample, Paper at the IS&T Internal Symposium on Electronic Imaging: Human Vision and Electronic Imaging (HVEI), 14-18 Feb 2016, San Francisco, CA, USA**.**

95. Kaida Xiao ; Ali Sohiab ; Pei-li Sun ; Julian M. Yates ; Changjun Li, Sophie Wuerger. " A colour image reproduction framework for 3D colour printing ", *Proc. SPIE* 10153, Advanced Laser Manufacturing Technology, 1015318 (October 19, 2016); doi:10.1117/12.2247467

96. Minjung, K., Ashraf, M, Perez-Ortiz M., Martinovic, J., Wuerger, S. and Mantiuk, R. K. (2020) Contrast Sensitivity Functions for HDR Displays, Proceedings of the London Imaging Meeting.

97. Luo, R., Westland, S, Wuerger, S, Mantiuk, R. (2020). Spatial Chromatic Contrast Sensitivity Band-pass or low-pass functions? In: Color and Imaging Conference (CIC28), 2020.

98. Rafał K. Mantiuk, Minjung Kim, Maliha Ashraf, Qiang Xu, M. Ronnier Luo, Jasna Martinovic and Sophie Wuerger. Practical color contrast sensitivity functions for luminance levels up to 10000 cd/m2. In: Color Imaging Conference (CIC28), 2020

99. Maliha Ashraf, Sophie Wuerger, Minjung Kim, Jasna Martinovic, and Rafał K. Mantiuk. Spatio-chromatic contrast sensitivity across the lifespan: interactions between age and light level in high dynamic range. In: Color Imaging Conference (CIC28), 2020

100. Yan Lu, Jie Yang, Kaida Xiao, Michael Pointer, Changjun Li and Sophie Wuerger (2020). Perceptual differences in facial attractiveness for skin colour appearance between different ethnic groups.in: Color and Imaging Conference (CIC28), 2020

TECHNICAL REPORTS

101. Wuerger, S.M. and Shamey, R. (2020). Unique Hue Data, Technical Report for CIE TC 1-76.

BOOK CHAPTERS (contributed)

102.	Maloney, L.T., Wuerger, S.M., and Krauskopf J.(1994). A method for testing Euclidean representations of proximity judgments in linear psychological spaces. in Luce, R.D., D'Zmura, M., Hofman, D., Iverson, G., and Romney, A.K. (Eds), Geometric Representations of Perceptual Phenomena. (Hillsdale, NJ: Lawrence Erlbaum).

103.	Ripamonti C., Westland S., Wuerger S.M. & Thomson M.G.A. (2001). Natural image statistics: the search for natural metamers, in A. Gilchrist and JH Nobbs (Ed.), Colour Science, vol 3: Colour physics, pp 41-50.

104.	Meyer, G., Wuerger, S. and Perez, Elvira (2008). Prelexical Speech Processing in the Brain (Chap 11), in S. Fuchs and H. Loevenbruck (Ed.): Some aspects of Speech and the Brain. Peter Lang Publishing.

105.	Wuerger SM and Parkes L. (2011). Unique Hues: Perception and Brain Imaging. In: C. Biggam C, C. Hough, and D. Simmons (Eds). New Directions in Colour Studies; Publisher: John Benjamin.

106.	Wuerger, S., & Xiao, K. (2015). Color Vision, Opponent Theory. In R. Luo (Ed.), *Encyclopedia of Color Science and Technology* (pp. 1–6). Berlin, Heidelberg: Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-27851-8_92-1

107.	Xiao, K, Yates, J, Faraedon, M., Sohaib, A., Wuerger, SM (2016). 3D colour image reproduction for 3D printing of facial prostheses, in: New Trends in 3D Printing, ISBN 978-953-51-4668-1. DOI: 10.5772/63339