

Abhijit Sarkar, PhD

sarkarabh@gmail.com | 203.428.7401 | Seattle, WA | <https://www.linkedin.com/in/abhijits/>

Patents

1. A. Sarkar, D. Reshidko, T. H.S. Vallius, "Setting white point based on display temperature", US Patent #11,227,528 filed by Microsoft Corporation on May 29, 2020, granted on January 18, 2022
2. A. Sarkar, Z. Wen, "Color conversion for ambient-adaptive digital content", US Patent #10,715,774 filed by Microsoft Corporation on July 23, 2018, granted July 14, 2020
3. A. Sarkar, S.M. Kallio, K.J. Ropo, "Color sensing ambient light sensor calibration", US Patent #10,648,862 filed by Microsoft Corporation on April 3, 2018, granted May 12, 2020
4. A. Sarkar, S. Angelevski, S.M. Kallio, H. Umeno, "Use of multiple calibrated ambient color sensor measurements to generate a single colorimetric value", US Patent #10,345,151 filed by Microsoft Corp on May 2, 2018, granted July 9, 2019
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6. M. Wozniak, M. Kucukgoz, A. Sarkar, "Architecture for rendering high dynamic range video on enhanced dynamic range display devices", US Patent # 10,218,952 filed by Microsoft Corp. on December 20, 2016, granted February 26, 2019
7. M. Wozniak, M. Kucukgoz, A. Sarkar, "Tone mapping functions for rendering high dynamic range video on enhanced dynamic range displays devices", US Patent Application 20180152686 filed by Microsoft Corp. on December 20, 2016
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3. A. Sarkar, "CIE Special Metamerism Index: Change in Observer", Encyclopedia of Color Science and Technology, Chapter 11, Springer, 2016
4. A. Sarkar, F. Autrusseau, F. Viénot, P. Le Callet, L. Blondé, "From CIE 2006 Physiological Model to Improved Age-Dependent and Average Colorimetric Observers", Journal of the Optical Society of America (JOSA A), 28(10): pp. 2033-48, 2011
5. M. Fetudina, A. Sarkar, P. Urban, P. Morvan, "(How) Do Observer Categories Based on Color Matching Functions Affect the Perception of Small Color Differences?", in Proceedings of the 19th Color and Imaging Conference, San Jose, CA, 2011
6. P. Morvan, A. Sarkar, J. Stauder, L. Blondé, J. Kervec, S.K. Hasan, "A handy calibrator for color vision of a human observer", IEEE International Conference on Multimedia and Expo (ICME), Barcelona, 2011
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