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Academic and professional career:

2024-... **Chargée de recherche : École Nationale des Travaux Publics de l'État (ENTPE), LTDS/BPMNP**

2022-24 Post-doctorate: National Institute of Standards and Technology (NIST), United States

2018-22 Ph.D.: Katholieke Universiteit Leuven (KU Leuven University), Belgium

Research domain:

Light and lighting science and technology

- 1) Vision: cone sensitivity functions and individual variation, spectral luminous efficiency function.
- 2) Color science and its application to lighting: assessment of color quality of light sources, color appearance of object surfaces / illuminants, variation of color perception under narrow-band spectral sources and for image displays.
- 3) Light and health: measurement and perception of temporal light modulation, visible flicker metrics.

Responsibilities and participation in professional committees:

2025-... Expert for France: International Energy Agency 4E-Sustainability in Smart Lighting & Controls (SSLC) Platform

2025-... Co-chair: IEA SSLC Platform Task Group 8 - Standards, Metrics and Measurements

2024-... Co-coordinator (of France): IEA SSLC Platform TWINKLE project - Targeting Well-being in Illumination by Neutralizing Kinetic Light Effects

2023-... Chair: International Commission on Illumination (CIE) research forum RF03 - Matters related to Colour Rendition

2025-... Associate National Representative: Division 1 of the CIE France National Committee

2022-24 Associate National Representative: Division 1 of the CIE National Committee United States

2024-... Member: IEEE (Institute of Electrical and Electronics Engineers) Smart City Community

2022-... Advisory Member: IES (Illuminating Engineering Society) Color Committee

2022-... Advisory Member: IES (Illuminating Engineering Society) Test Procedures Committee

2022-... Member: Core Team of IEA SSLC Interlaboratory Comparison (IC 2023) for Temporal Light Modulation (TLM) measurement

2022-... Member: CIE Technical Committees (RF02, RF05, TC 1-101, TC 2-89...)

2022-... Member: IES Technical Committees (LM 90, TM39...)

Scientific presentations and invited talks:

5 invited talks, 10 oral presentations at international conferences or seminars.

Selected publications:

1. **Li, J., & Ohno, Y.** (2025). Analysis of P_{st}^{LM} and stroboscopic visibility measure variations due to different measurement conditions. *Lighting Research & Technology*, 2025;0(0). doi:10.1177/14771535251315475.
2. **Li, J., Hanselaer, P. & Smet, K.** (2025). Individual Color Matching Functions Estimated from Narrow-Band Achromatic Matches Using Physiological Observer Models, *LEUKOS*, 1–21. <https://doi.org/10.1080/15502724.2024.2419640>
3. Ohno, Y, **Li, J.**, Kawashima, Y. & Oh, S. (2024). Vision Experiments on Chroma-Related Preference for Color Quality of Lighting, *LEUKOS*, 20(4), 390–410. <https://doi.org/10.1080/15502724.2024.2322469>.
4. **Li, J., Hanselaer, P. & Smet, K.** (2023). Impact of matching field size on color matching (functions) accuracy, In: *Color Research and Application*. 2023; 48(1): 88-102. doi:10.1002/col.22833
5. **Li, J., Hanselaer, P. & Smet, K.** (2022). Impact of Color Matching Primaries on Observer Matching: Part II – Variability, In: *LEUKOS*, 18:2, 127-144, doi: 10.1080/15502724.2020.1864396
6. **Li, J., Hanselaer, P. & Smet, K.** (2022). Impact of Color Matching Primaries on Observer Matching: Part I – Accuracy, In: *LEUKOS*, 18:2, 104-126, doi: 10.1080/15502724.2020.1864395