



## Results of the "Young Lighting Scientists 2025" Contest

The final of the International "Young Lighting Scientists" Contest took place on October 24, 2025, at the Interlight | Smart City & Home exhibition in Moscow. The Contest was organized by the Russian National Committee of the International Commission on Illumination (CIE NC RU) with the aim of identifying the best young specialists and students in the fields of light, lighting, architecture, and lighting design.

From a large number of applications that underwent a rigorous selection process and double-blind peer review, a jury comprising representatives from leading scientific and educational institutions selected six finalists to present their work in person. During the final round, the contestants demonstrated a high level of expertise, presenting cutting-edge research and projects.

The prize winners are as follows:

### In the "Lighting Engineering" category:

- **1st Place** — Viktoriya Gritsaenko for her project "Experimental Research of Irradiation Regimes for Microgreens in Hydroponic Conditions." Scientific supervisor: P.A. Smirnov, Ph.D., Associate Professor, National Research University "Moscow Power Engineering Institute" (MPEI), Moscow.
- **2nd Place** — Mikhail Abramov for his "Development of a Far-Field Spectrogoniophotometer." Scientific supervisor: S.V. Prytkov, Ph.D., Associate Professor, Head of the Lighting Engineering Department, Ogarev Mordovia State University, Saransk.

- **3rd Place** — Nikita Sych for his work "Applying a Mesopic Photometry Model for Street Lighting Calculations." Scientific supervisor: V.Y. Snetkov, Ph.D., Associate Professor, National Research University "Moscow Power Engineering Institute" (MPEI), Moscow.

#### **In the "Architecture and Lighting Design" category:**

- **1st Place** — Danila Nikandrov for his "Concept of Light-Graphic Communication in the Historic Center of St. Petersburg." Scientific supervisor: O.A. Vul, Ph.D. in Pedagogy, Associate Professor, Peter the Great St. Petersburg Polytechnic University, St. Petersburg.
- **2nd Place** — Alexey Ilyukhin (National Research University "Moscow Power Engineering Institute," Moscow) for his proposal on "Reconstructing the Lighting at Moscow Metro's Planernaya Station." Scientific supervisor: A.G. Fomin, Ph.D., Associate Professor, National Research University "Moscow Power Engineering Institute" (MPEI), Moscow.
- **3rd Place** — Elizaveta Larkina and Viktoria Razgovorova for their "Multimedia Design for a Car Audio Festival (3D Mapping)." Scientific supervisor: E.O. Khudoleeva, Assistant, Far Eastern Federal University, Vladivostok.

The "Foreign Section" was also featured, with the following winners:

- **1st Place** — Nurefşan Sönmez for her work "An Integrated Optimization Model Using Machine Learning for Daylighting, Thermal Comfort, and Energy Efficiency in Historic Townhouses". Scientific supervisors: Cilasun Kunderaci A., Ph.D., Associate Professor, Yaşar University, Izmir, Turkey; Ugurlu C., Ph.D., Associate Professor, Yaşar University, Izmir, Turkey; Erkan Y, Ph.D., Professor, Antwerp Cultural Heritage Sciences (ARCHES), Faculty of Design Sciences, University of Antwerp, Belgium.
- **2nd Place** — Wang Yang for his presentation "Indoor Lighting Intelligent Control Using Context-Aware-Based LLM Agent and Domain Knowledge Base". Scientific supervisors: Fang Q, Professor, Sun F., Professor, Anhui Jianzhu University, China.
- **3rd Place** — Xu Liankun for his project "Framework for Green Lighting in Tunnel: Balancing Energy Performance with Ecological Requirements". Scientific supervisors: Shen Y., Ph.D., Feng S.Z., Ph.D., Professor, Zhu H.H., Ph.D., Professor, College of Civil Engineering, Tongji University, China.

The third-place winner, Xu Liankun, traveled from China to present his project in person. He represented his work with great distinction, and the judges specifically noted his confidence and the high quality of his presentation.

All contestants received commemorative gifts from the organizers and sponsors. The peer-reviewed papers will be published in the journal "Lighting Engineering Innovations", and the best submissions have been recommended for publication in "Light & Engineering" journal.

The Contest highlighted the high caliber of young specialists and played a significant role in advancing lighting science and technology. The organizers extend their gratitude to all participants, jury members, and partners for their support and contribution to the event's success.

All related materials, including a video recording of the event, photographs, and publications, will be available on the Contest's official page.

The Russian National Committee of the International Commission on Illumination (CIE NC RU) remains committed to supporting talented young people and fostering the growth of the lighting industry in Russia and abroad.