



International Commission on Illumination
Commission Internationale de l'Eclairage
Internationale Beleuchtungskommission

Lighting the Future Together



Light



Vision
& Colour



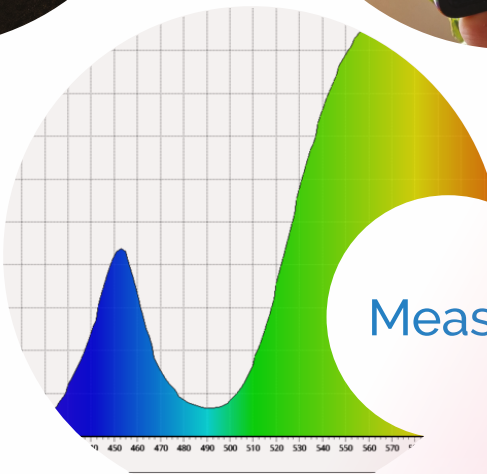
Lighting



Image
Technology



Photobiology



Measurement

What we do

Knowledge makes the world a brighter place

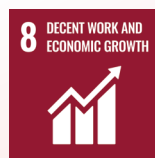
More information:
cie.co.at

We live in a world bathed in light. Light (or, more generally, optical radiation) allows us to see and therefore better perceive and understand the world. At the CIE, we are all about understanding optical radiation, lighting and image technology and in building a bridge between research and application. Deep scientific knowledge and an international community of experts, users and industry come together to make us the international authority within our scope, recognized as such by the CIPM, ISO and the IEC.

Our goals are:

- Providing a forum for open discussion and interchange on scientific fundamentals and applications in all fields related to light and lighting
- Developing international standards within our scope which are also used on a regional basis.
- Publishing new findings and technologies in optical radiation, lighting, image technology and related fields
- Cooperating with other international organizations

CIE work supporting UN Sustainable Development Goals



sdgs.un.org

CIE Divisions

Each major subject area is the responsibility of one of the six CIE Divisions



Division 1 Vision and Colour

How can vision be understood, modelled and predicted? We study the way humans see and interact with light, that is our visual response to and assessment of light and colour.

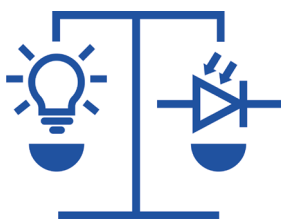
More information:

cie.co.at/technical-work/divisions



Division 4 Transportation and Exterior Applications

Roads, buildings, monuments and other exterior spaces are illuminated; cars, planes and ships use optical signals. We work to optimize exterior illumination, signalling devices and visual aids for all modes of transport.



Division 2 Measurement of Light and Radiation

We develop methods to evaluate all types of optical radiation from the ultraviolet to the infrared. This includes how we measure the radiation and how it interacts with materials.



Division 6 Photobiology and Photochemistry

What do we know about the effects of optical radiation on biological and photochemical systems? We study its effects on photosensitive materials both organic and inorganic.



Division 3 Interior Environment and Lighting Design

What are the lighting needs to promote health, well-being, comfort and performance in indoor environments? We examine how to improve interior lighting (design) - using both daylight and electric light - for building occupants.



Division 8 Image Technology

How can we make printed and displayed images match what we see? We develop methods to measure and quantify the ways in which images (analogue or digital) are processed, reproduced and distributed.

Organization of the CIE

Our Members

More information:

cie.co.at/about-cie/membership

National Committees

Our most important organizational bodies are our National Committees (NCs), currently about 40 from all around the world. Each of them represents those in their country with an interest in the scope of the CIE. Countries without a National Committee can join the CIE as contributing affiliates without voting rights.

Communities in a country may form an **Associate National Committee** (ANC) as a first step. ANCs can contribute but not vote. ANCs status is for four years, two periods at most, after which it should be converted into a full NC.

Countries with a developing economy wanting to be involved in the work of the CIE can join as a **CIE Associate Member**. This type of membership has a limited duration with the expectation that an ANC or NC will be formed.

Supportive Members

Organizations on an international, regional or national level (governmental, educational, companies etc.) can join the CIE as Supportive Members. Supportive Members are already actively contributing to the CIE NC in their country, if one exists.

Individuals usually contribute as members of their National or Associate National committee.

What if there is no National Committee in your country?

Individuals are welcome to join in the activities of the CIE including participation in the technical work of the CIE.



Working with other organizations

Liaisons

More information:

cie.co.at/about-cie/liaisons

Memoranda of Understanding

The CIE has formal arrangements with international and regional organizations for cooperation and coordination of our work.

Examples include:

- CEN
- CIPM
- EURAMET
- GLA
- IALD
- IEC
- ISO
- LUCI

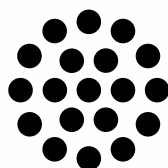
Technical Cooperation

The CIE engages in technical cooperation with other organization on development of standards and other scientific resources.

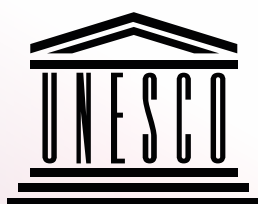
Examples include:

- CCPR
- CEN
- IAU
- ICNIRP
- IEC
- ISO

Member of the



**International
Science Council**



United Nations
Educational, Scientific and
Cultural Organization



International
Day of Light

**Founding Member of the
IDL Steering Committee**

Activities

Technical Work

Technical Committees

Experts from around the world, such as yourself, cooperate in our Technical Committees to publish on the scientific and technical aspects of optical radiation, lighting and image technology. The publications prepared might be a Technical Report, a Technical Note or an International Standard.

Research Strategy

The CIE publishes a list of priority research topics needing immediate attention by the research community in support of developments in lighting technology and application.

Conferences, Quadrennial Sessions & Midterm Meetings

These are the key gatherings of the CIE global community. They include formal meetings, technical meetings and a three day conference packed with the latest research and applications of the sciences and technologies using optical radiation.

More information:

cie.co.at/technical-work/jtcs

cie.co.at/research-strategy

Research Fora

Research thrives on exchange and discussion. The Research Fora bring together experts and newcomers on topics not yet sufficiently mature for the establishment of a Technical Committee.

Symposia, Tutorials and Workshops

Symposia are focused on a specific topic. They have a call for papers that are published as proceedings. Tutorials improve understanding and applications of CIE publications and are presented by CIE experts. Workshops enable the sharing of information on specific research fields and enable the CIE to plan for future CIE work.

All of these may be held online or in-person.

Publications

The CIE publishes international standards, technical reports, technical notes and position statements. Some CIE publications are adopted by or developed in cooperation with our partner organizations including ISO and IEC and the CIPM.

Why join the CIE global network?

Working together for 120 years and into the future

CIE provides the most important international platform for discussion, standardization and knowledge transfer on vision and colour, optical radiation, lighting, photobiology and photochemistry, and image technology. Everyone participating in the CIE can enjoy access to the latest information on these subjects.

A Common Reference Frame

Large markets need rational standards on which everybody can rely. At CIE we develop these standards, which also make it easier for manufacturers, suppliers and end-users to develop technical specifications.

The process works both ways: Local authorities and consumer organizations in need of new solutions can contact the CIE. Manufacturers can contribute, thus making new regulations and specifications for their products and applications more meaningful. They enjoy early access to information about upcoming market requirements and regulations.

Letting Better Solutions Grow

By connecting authorities, manufacturers and consumers the CIE paves the way for the development of better quality, more economical and more energy-efficient solutions. It saves work for its members by offering access to existing knowledge. We provide a platform for international cooperation and exchange where research is mutually recognized.

We also welcome developing countries to CIE projects and activities where everyone, from manufacturers to trade associations, authorities and consumers, can establish important contacts.



Enlightening minds

Advance your knowledge with CIE

CIE Newsletter:
cie.co.at/about-cie/newsletter

At its core, CIE is about learning and mutual support. These advantages await you:

- An international platform for co-operation and exchange amongst professionals interested in the scope of the CIE
- Clear standards for metrology, products, processes and applications
- Guidance in application and design
- Early access to the newest CIE publications
- Drivers for more efficient and quality orientated solutions
- Networking opportunities to generate new collaborations and business
- Recognition of research
- Support for developing countries
- Valuable contacts through scientific and educational events

The CIE provides up-to-date information:

- International standards and technical reports
- Proceedings of conferences and expert symposia
- CIE Newsletter and Website
- Research Fora
- Documentation of state-of-the-art technology and research

Members of CIE National Committees enjoy early access to draft publications.

CIE Webshop:

All CIE publications are available in our Webshop
<https://store accuristech.com/cie>

Want to buy CIE publications for one third of the regular price? Then join your National Committee today!



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