



LUCI Annual General Meeting

TARTU | ESTONIA

27 - 30
OCTOBER
2021

PROGRAMME



#LUCIagmTartu

#LUCInetwork



Welcome to the **LUCI Annual General Meeting (AGM)**. We are pleased to welcome all those present in-person and online to discover Tartu's light. Although we are currently receiving you during one of the darkest times in Estonia, you can be sure that there will always be a lot of spiritual light here in this Estonian university town.

Every city has its own light, but today we all face the same question of how to move forward with new developments so that the city is lit wisely and sustainably. Roads and streets alone account for an estimated 2% of global electricity consumption.

We deal with these same issues on a daily basis here in Tartu in order to develop a sustainable street lighting network. Of course, Tartu is happy to hear and learn from the experiences and innovative ideas that representatives of 35 cities will have to share at the LUCI AGM starting today.

But we must not forget that culture also gives light to cities, and it is a great pleasure that with this LUCI AGM during the TAVA light festival in Tartu we can experience all that light has to offer us. On behalf of Tartu, I would like to thank everyone who participates in this year's hybrid event. Enjoy the light of Tartu!.

Urmas Klaas

Mayor of Tartu



The LUCI AGM is back! Following its postponement in 2020, we are very happy to welcome all LUCI members and friends from the urban lighting community worldwide in Tartu! Whether in person or online, we join this event for one good reason: it is a unique meeting place for cities to learn, share and progress on the many challenges and opportunities of urban lighting.

In Tartu, we will learn from the city's lighting projects, and from many other cities during the Open Conference Sessions. We will share about our vision and practices on urban lighting: on light as a cultural strategy for cities, and especially EU capitals of culture, or about smart steps towards smart lighting. This will also be the opportunity to experience first-hand the TAVA light festival and visit the city of Tartu by light. As a result, I hope that this meeting will bring to each participant ways to progress on their own urban lighting and be inspired by their peers.

Our very sincere appreciation goes to the City of Tartu for hosting the LUCI AGM 2021, for brilliantly enabling and organising this one-of-a-kind hybrid meeting. We are truly excited to be back and I hope that we can all make the best of this time together.

I look forward to meeting you in Tartu and at future LUCI meetings!

Meri Lumela

President of LUCI

Deputy Chair of the City Council of Jyväskylä

All times are in EEST (Eastern European Summer Time)

WEDNESDAY 27 OCTOBER

- 17:30 Welcome Cocktail
19:00 TAVA2021 Light Festival Opening Gala

THURSDAY 28 OCTOBER

- 9:00 Coffee & Registrations
9:45 Opening of the LUCI AGM
10:00 - 12:00 Public Lighting in Tartu
12:00 - 13:15 Lunch
13:15 - 14:45 Panel: Smart Steps Towards Smart Lighting
14:45 - 15:15 Coffee Break
15:15 - 16:15 Open Conference Sessions
16:30 - 18:00 LUCI General Assembly (*LUCI members only*)
19:00 Dinner
20:30 Light excursion around Tartu

FRIDAY 29 OCTOBER

- 8:30 Bus from hotel to Estonian National Museum
9:00 Coffee & Registrations
9:30 - 11:00 Panel: Lighting in European Capitals of Culture
11:00 - 12:00 Open Conference Sessions
12:00 - 13:30 Lunch
13:30 - 14:00 LUCI Announcements
14:00 - 14:30 Coffee Break (*LUCI members only*)
14:30 - 16:00 LUCI Light Festival Working Group Meeting
19:00 Festive Dinner
20:30 Guided tour of the TAVA2021 Light Road



TAVA2021 conference takes place in parallel (see p.8 & 11).

SATURDAY 30 OCTOBER

Optional Programme (see p.14)

The LUCI Annual General Meeting in Tartu is planned as a hybrid event, where each attendee can choose to attend in-person for sessions, onsite visits and convivial social events in Tartu, or to attend online to view all conference sessions from anywhere in the world.



Scan the QR code to access further programme details including speaker bios and more.

WEDNESDAY

27 October

 Alexela Loomelava, Narva mnt 2, 51009 Tartu

17:30 | Welcome Cocktail

19:00 | TAVA2021 Light Festival Opening Gala and After Party

 Kaarsild bridge (see map p.15)

All times are in EEST (Eastern European Summer Time). To check for your local time, click here : <https://www.timeanddate.com/worldclock/converter.html>



THURSDAY

28 October

 V Spa Conference Centre | Riia 2, 51004 Tartu

9:00 | Coffee & Registrations

Conference Moderator: **Andres Torm**

9:45 | Opening of the LUCI Annual General Meeting

Urmäs Klaas, Mayor of the City of Tartu

Meri Lumela, President of LUCI; Deputy Chair of the City Council of Jyväskylä

10:00 – 12:00 | Public Lighting in Tartu

This Tartu City session will focus on both street lighting and public architectural lighting. Deputy Mayor Raimond Tamm will share an overview of the new master plan for the public lighting of the city of Tartu and lighting planning in the city more generally.

Tiiu Kelviste, Head of Geospatial Solutions, and Jaanus Tamm, Project Manager, will introduce the current state of Tartu street lighting, ongoing and planned projects, and the Tartu street lighting management solution. Elo Liiv will focus on architectural lighting in Tartu.

Raimond Tamm, Deputy Mayor, City of Tartu

Tiiu Kelviste, Head of Geospatial Solutions, City of Tartu

Jaanus Tamm, Project Manager, City of Tartu

Elo Liiv, TAVA2021 main organiser

Q&A

12:00 – 13:15 | Lunch

13:15 – 14:45 | Smart Steps Towards Smart Lighting

Cities are confronted with the question of how to deal with developments toward smart lighting. How can we help cities form their vision on smart lighting, choose their development paths, and support possible actions towards realisation?

LUCI's white paper on smart urban lighting, a truly collective document – by cities, for cities – aims to help address these issues. This session will share the main highlights of this paper and what it implies for the future of urban lighting.

Keynote introduction by Dr. Philip Ross, Founder, Studio Philip Ross,
and co-author of the white paper

Helene Qvist, Smart City Consultant, City of Albertslund

Zoltán Pap, Managing Director, BDK Budapest

Rik van Stiphout, Programme Advisor Light & Culture, City of Eindhoven

Youngho Baik, Member of Advisory Committee Urban Lighting, City of Seoul

Moderated by **Nikita Junagade**, Knowledge and Communication Manager, LUCI Association
Q&A

14:45 – 15:15 | Coffee Break

15:15 – 16:15 | Open Conference Sessions (OCS)

The LUCI Open Conference Sessions are the place where LUCI members showcase their cities' lighting strategies, projects and other initiatives, in a unique international forum.

See p.8 for full descriptions of each session.

LUCI MEMBERS ONLY

16:30 – 18:00 | LUCI General Assembly

This is the opportunity for LUCI members to learn about the network's ongoing and future activities. Upcoming events, projects and new perspectives will be presented.



In parallel to the afternoon programme:

15:15 – 18:00 | TAVA2021 Conference Track

The TAVA2021 Conference track will feature presentations from lighting designers involved in the TAVA workshops: CJ Brockway, Veronika Mayerboeck, Johan Moritz and Tina Wikström. More details on p.8.



SHINE A LIGHT

Engaging communities through participation: Lantern-making workshop

During coffee breaks, lunch, and throughout the day, join fellow participants to make or decorate your own lantern! Walk the Plank (UK), pioneers of outdoor arts and civic celebration, will lead the workshop in collaboration with local Tartu2024 artist Meeri-Ann Ostrov, who herself was part of the company's training school in participatory arts, supported by Creative Europe. Participants will have a chance to showcase the lanterns during a procession to open Friday's panel "Lighting in European Capitals of Culture".

18:00 | Free time

18:50 | Dinner

📍 Meet in front of Lydia hotel and walk together to Tartu Town Hall



20:30 | Light excursion around Tartu

Discover various lighting projects around Tartu, including bridges, interesting facades, and a forest surprise!

📍 Leave straight from dinner

15:15 – 16:15 | Open Conference Sessions (OCS)

TRACK 1	
15:15 15:30	<p>Lighting for today – planning for a smarter future <i>Ársæll Jóhannsson, Project Manager, Department of Environment and Planning, City of Reykjavik</i></p> <p>The City of Reykjavik is well on its way towards upgrading the city’s public lighting into a LED smart city lighting grid. In total, the city aims to upgrade all of its 26 000 luminaires to LED by the year 2024. In the Breiðholt neighbourhood, the renewal process is near completion with 3500 luminaires having been upgraded to LED. The process follows Reykjavik City’s ambitious Lighting Strategy, equipped with Zhaga receptacles for future connection to smart city solutions. Another important aspect of the renewal is to give new life to streets, parks, and squares. The Mjódd square in Breiðholt is a good example of a “forgotten” square which has been given new life with renewed public lighting, light-art, and outdoor furniture.</p>
15:30 15:45	<p>The whispering lights of Old Town Tallinn <i>Eva Tallo, City Lighting Chief Specialist, City of Tallinn</i></p> <p>The City of Tallinn recently renewed the lighting of the historic walls and towers of Tallinn’s Old Town. This presentation will be an overview of the international idea competition for the Old Town City wall and towers lighting solution, as well as Tallinn City Lighting.</p>
15:45 16:00	<p>Nocturnal orthophotography of Lyon <i>Frédéric Durand, Project Manager, City of Lyon</i></p> <p>The City of Lyon completed a nocturnal orthophotography to identify the sources of light pollution in the city. By understanding where the light pollution is coming from, the city hopes to find ways to decrease this human impact on biodiversity.</p> <p>The analysis of this orthophotography could confirm whether the new lighting plan of the City of Lyon can improve the situation. The results will also be used to adapt the lighting strategy and will be integrated into the new lighting plan.</p>
16:00 16:15	<p style="text-align: center;">Q&A</p>



15:15 – 18:00 | TAVA2021 Conference Track

- From dusk till dawn: Embrace the dark
- Lighting to Scale
- Do you know what you want?
Do you know what you get?

The Open Conference Sessions are organised in parallel tracks where each presentation lasts 15 minutes. A Q&A follows the full session for questions from in-person and online participants.

TRACK 2

Public Lighting Design Criteria: A Comprehensive methodology that positively impacts the social and environmental conditions of the City of Medellín

Jerónimo Ríos Sánchez, Business Professional Operator, Empresas Públicas de Medellín (EPM)

Since 2011, EPM has been creating a methodology for lighting design and modernisation to LED technology, using design tools for lighting calculations, graphic information platforms (GIS), technical diagnostic visits and interaction with the community to analyse their needs. All of this is based on the technical regulations established for Colombia and the lighting design recommendations proposed in the Lighting Master Plan for the City of Medellín, which present a comprehensive look at the social, environmental, technical and spatial aspects. The presentation will showcase how the city manages to increase the positive impacts on a social and environmental level and, through smart lighting, efficiently improve the maintenance of the city's lighting system.

Report on obtrusive light in Helsinki

Pia Rantanen, Urban Design Manager, City of Helsinki

The City of Helsinki will present its recently published report on obtrusive light which identifies the sources of obtrusive light in the urban environment and maps ways to reduce obtrusive light in the future. It is the result of a two-year survey realised through co-design with inhabitants, organisations and specialists. The report classifies different types of obtrusive light and proposes solutions for the light sources according to the party controlling the lighting in question. It presents area categories according to the lighting standards for the different types of areas in the city, and sets limit values determining the maximum amount of light directed to the sky and windows. By observing the values of the area categories, obtrusive light can be eliminated to a great extent.

Real-time smart lighting to ensure safety for citizens and protection of the environment

Luc Joosens, Chief Product & Marketing Officer, Schröder

Many cities have implemented smart lighting systems that dim during the night to reduce energy consumption and the environmental impact. Today, the technology exists to go further. The City of Brussels tested an innovative smart lighting system along Bois de la Cambre, a busy artery running through a park, by using real-time weather and traffic data collected from the internet instead of a predefined schedule.

This system calculates the optimal lighting level of each luminaire and automatically reduces the lighting level according to traffic density and weather conditions. This innovative system demonstrated that the city, without installing any additional hardware on the existing infrastructure, could generate additional energy savings compared to traditional dimming, while ensuring an optimal level of comfort and safety, and further reducing light pollution to preserve the environment.

Q&A

- Panel discussion: Lighting design in Public spaces
- IALD lighting design workshop student presentations

For the detailed programme click here:

<https://www.luciassociation.org/annual-general-meeting-2021-tartu-programme>



FRIDAY

29 October

📍 Estonian National Museum
Muuseumi tee 2, 60532 Tartu

8:30 | Bus departure from Lydia Hotel to Estonian National Museum

9:00 | **Coffee & Registrations**

PANEL DISCUSSION

9:30 – 11:00 | **Lighting in European Capitals of Culture**

More and more cities are using lighting beyond urban planning strategies and are beginning to incorporate it into their cultural strategies as well. Recently, this has become quite evident as cities include lighting within their bids and projects for European Capitals of Culture.

In this session, speakers from previous, future, and recently awarded Capitals of Culture will discuss how they have integrated lighting strategies, from permanent light art projects, temporary light festivals, to community engagement initiatives, into their wider cultural policies.

Keynote introduction by Dr. Beatriz Garcia, Senior Research Fellow in Communication Studies, University of Liverpool / Associate Director, Centre for Cultural Value

Massimiliano Burgi, Project Manager for Lumen-Social Light, Matera 2019

Helen Marriage, Director, Artichoke / Creative Director, Galway 2020

Piia Rantala-Korhonen, Director of Oulu2026

Moderated by *Jessica Ferey, Programme Manager, LUCI Association*

Q&A



11:00 – 12:00 | Open Conference Sessions (OCS)

The LUCI Open Conference Sessions is the place where LUCI members showcase their cities' lighting strategies, projects and other initiatives, in a unique international forum.

See p.12 for full descriptions of each session.

12:00 – 13:30 | Lunch



In parallel to the afternoon programme:

13:00-15:00 | TAVA2021 artist talks

In parallel to the afternoon programme, the TAVA2021 Conference track will feature quick pecha kucha presentations by international light artists involved in the TAVA workshops: Caspar Lootsmann, Elo Liiv, Rene Tamm, Alyona Movko, Tatsuru Arai, Maria Paz/ Exotikdot, Paola Medina Querini, Space & Spectra, Al Paldrok, Taje Paldrok.

13:30 – 14:00 | LUCI AGM Closing and Announcements

In this LUCI AGM Tartu closing session, we will take the opportunity to present upcoming LUCI activities and events.

14:00 – 14:30 | Coffee Break

LUCI MEMBERS ONLY

14:30 – 16:00 | LUCI Light Festival Working Group Meeting

The newly formed LUCI Light Festival Working Group will meet in Tartu to share and exchange about challenges and innovations in the field.

19:00 | Festive Dinner

📍 Meet in front of Lydia Hotel, walk to Tartu City Museum

20:30 | Guided tour of the TAVA2021 Light Road

📍 Leave straight from dinner

11:00 – 12:00 | Open Conference Sessions (OCS)

TRACK 1	
11:00 11:15	<p>The biology behind light and health <i>Debra Skene, PhD, Surrey Distinguished Professor and Section Lead for Chronobiology at the University of Surrey, UK</i></p> <p>Eyes are not only for image-forming vision. Evidence from animal and human studies have demonstrated the existence of a novel non-rod, non-cone ocular photoreceptor mediating the biological effects of light. These intrinsically-photosensitive, melanopsin-expressing, retinal cells show enhanced short-wavelength blue-light sensitivity and drive multiple biological effects of light. To better establish the relationship between lighting and health, devices monitoring a person’s daily light exposure and sleep/wake, together with continuously tracking the indoor/outdoor environments are needed.</p>
11:15 11:30	<p>Obtrusive light for colourful and dynamic lighting <i>Steve Lau, Vice President, YD Illumination</i></p> <p>This presentation will provide updates on the CIE Technical Committee TC4-58 and share its latest results. The TC now consists of over 20 leading experts from more than 15 countries working on determining the effects of ALAN (Artificial Lights at night) on Natural Environments, residents, drivers, and astronomical observations. The proposed technical report TC4-58 will cover colourful and dynamic lighting as a source of obtrusive light. This report could then be used by lighting designers, lighting authorities from local governments, and engineering companies so that overall lighting effects do not generate obtrusive light and the lighting effect is acceptable.</p>
11:30 11:45	<p>Light art gallery under the open sky of the capital <i>Andrius Deimantas, CEO, Vilnius Lighting, City of Vilnius</i></p> <p>As a new member of LUCI, the City of Vilnius will introduce itself and present its light-related projects in the city, including its light festival, Christmas tree lighting, and city lighting management. Vilnius has been organizing a light festival since 2019 to commemorate the city’s birthday. The festival highlights not only spectacular light art installations, but also the rich architectural heritage of Vilnius. It is free and accessible to all, attracting locals as well as an international audience. Each year, Vilnius also receives a lot of attention from the world for its astonishing Christmas trees and the little Christmas town. Innovative software systems are used to control the management of city lighting and the city has ambitious plans to come up with even more ingenious ways to light up the city.</p>
11:45 12:00	<p style="text-align: center;">Q&A</p>

The Open Conference Sessions are organised in parallel tracks where each presentation lasts 15 minutes. A Q&A follows the full session for questions from in-person and online participants.

TRACK 2

Development of Putrajaya and its lighting masterplan

Amran. M Noor, Senior Principal Assistant Director, City Planning Department, City of Putrajaya

Putrajaya, Malaysia's new Federal Government Administrative Centre, is a model based on detailed planning, innovative urban design and architecture. Its pleasantly landscaped roads and parks as well as modern buildings are clearly reflected in the duality of the project theme "Garden City, Intelligent City". It is a modern city which reflects the aspiration of the people of Malaysia. A distinguished feature of the city is Putrajaya's lighting. The façade lighting offers a unique experience to enjoy the night ambience. Materials, colours and textures of the buildings, structures and landscape are further enhanced by unique lighting design, which is in line with the Putrajaya Lighting Masterplan approved by the Cabinet of Malaysia. Spanning across the lake are eight unique and distinctive signature bridges and modern buildings that have been designed to exude aesthetic appeal during the day and night, reflecting the local Malaysian culture.

Future developments for lighting the City of Pessac

Marc Gatti, Deputy Mayor, City of Pessac

The City of Pessac, a new member of LUCI, is a historic French city with ancient castles, houses, lakes and forests, currently developing its urban area by merging new buildings and modern architecture. Pessac is moving to offer new services for its residents by managing the ecosystem through the adequate use of lighting in conjunction with natural light while reducing the height and intensity of streetlights. The city is also looking to promote its heritage sites and buildings through the use of light for culture and street art. Pessac is rethinking its city around environmental controls, safety, mobility and culture by including light as a key element of its evolution.

Urban lighting strategy of the City of Kazan

Ruslan Galiakhmetov, Head of International Relations Department, City of Kazan

As a new member of LUCI, the City of Kazan will present the major lighting projects implemented in the city in recent years and the projects to be implemented as a part of the urban lighting strategy.

Q&A



SATURDAY
30 October

9:30 | Bus departure from Lydia Hotel to Estonian National Museum

Optional Programme

Join programme participants to discover Tartu in a new way: choose from a scooter tour of the city or a guided tour of the Estonian National Museum. The programme will conclude with a convivial lunch at the museum.



Accommodations

- 1 Lydia Hotel**
Ülikooli 14, 51003 Tartu

Conference Venues

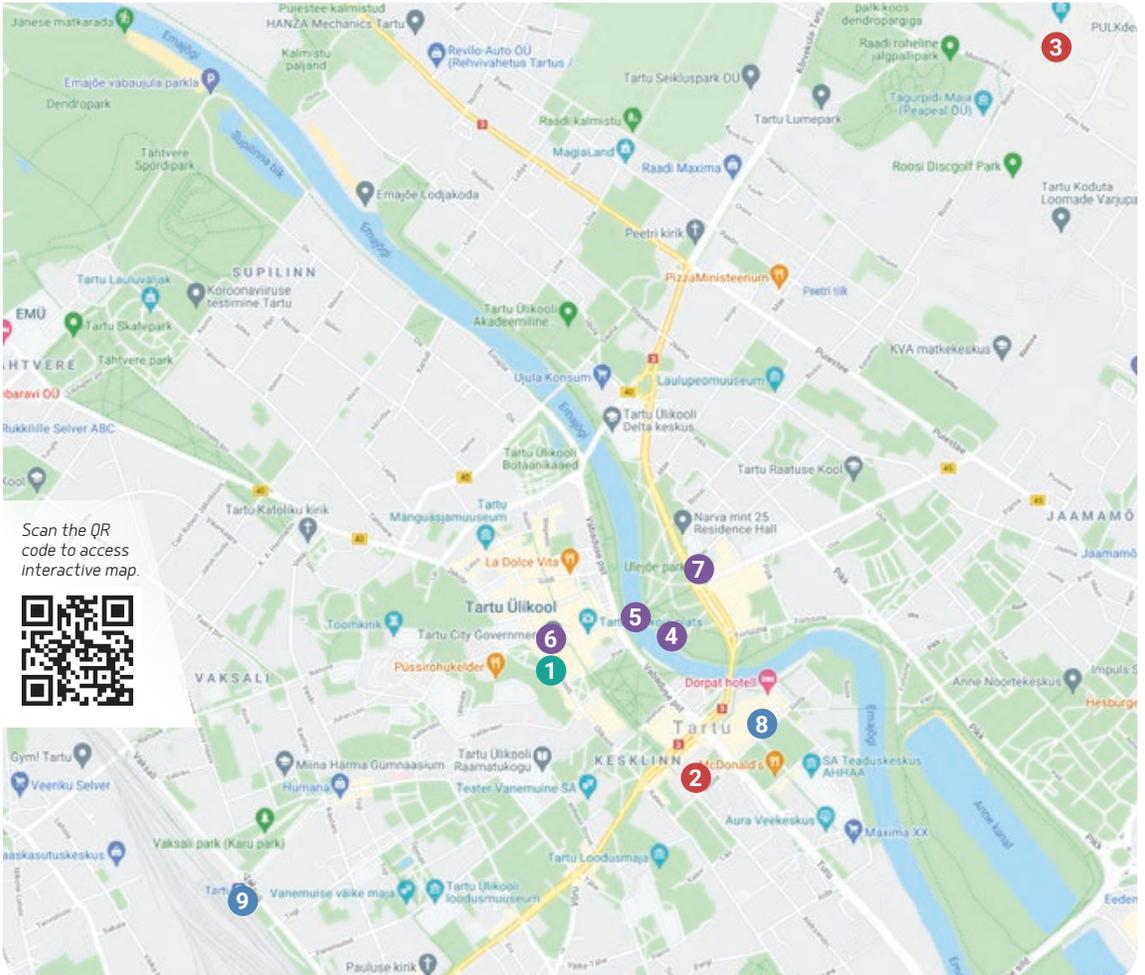
- 2 V Spa Conference Center** | 28 Oct
Riia 2, 51004 Tartu
- 3 Estonian National Museum** | 29 & 30 Oct
Muuseumi tee 2, 60532 Tartu

Transportation

- 8 Tartu Bus Station**
Turu 2, Tartu
- 9 Tartu Train Station**
Vaksali 6, Tartu

Evening Programmes

- 4 Welcome Cocktail** | 27 Oct
Alexela Loomelava
Narva mnt 2, 51009 Tartu
- 5 TAVA2021 Light Festival Opening Gala & After Party** | 27 Oct
Kaarsild bridge
- 6 Dinner** | 28 Oct
Tartu Town Hall
Raekoja plats 1a, 51003 Tartu
- 7 Dinner** | 29 Oct
Tartu Linnamuuseum (Tartu City Museum)
Narva mnt 23, 51009 Tartu



After Rabat (Morocco) in 2018, Shanghai (China) in 2019, and following its postponement in 2020, urban lighting professionals worldwide are gathering for a one-of-a-kind hybrid LUCI Annual General Meeting 2021 in Tartu (Estonia).

Key event of the LUCI calendar, the AGM is the international forum on urban lighting. It provides cities a unique opportunity to share experiences, exchange and know-how and learn from each other through a number of conferences and meetings.



More information

- Free participation for LUCI members (accommodation included)
- 300 euros for non-LUCI members (accommodation not included)

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