



**Quadripartite Joint Workshop of the
IEEE Slovenia Section
University of Ljubljana
IEEE Industry Applications Society (IAS)
Budapest University of Technology and Economics IEEE SB PES/IAS Chapter**

Venue: University of Ljubljana, Faculty of Electrical Engineering
SI-1000 Ljubljana, Slovenia
Tržaška cesta 25
Phone: +386 1 4768 411

Date and time: Wednesday, July 3, 2019, 08:30 - 18:00

Organizers: IEEE Slovenia Section
University of Ljubljana
IAS Chapters and Membership Department (CMD)
Budapest University of Technology and Economics (BUTE) SB PES/IAS Chapter

Participation in the Quadripartite Workshop is free of charge but registration is needed (<http://www.iyce-conf.org/registration-and-fees>)

Schedule:

Tuesday, July 2: Individual travel to Ljubljana

Airport code: LJU

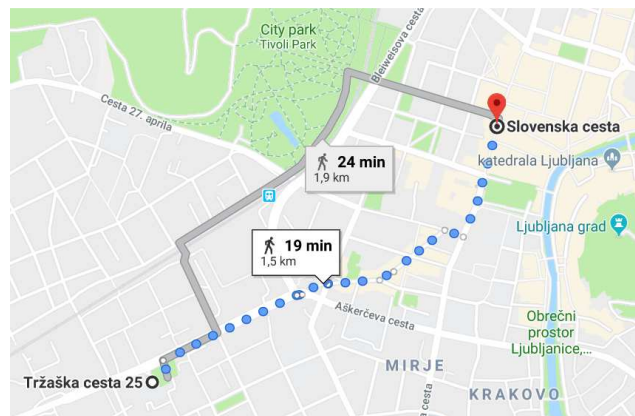
Accommodation: Individuals are responsible for booking and paying

Recommended hotels are available in the centre of Ljubljana, main street:

Slovenska cesta

The Faculty is located in walking distance from the city centre,

http://www.fe.uni-lj.si/en/the_faculty/about_faculty/how_to_reach_us/



Wednesday, July 3:

A.M: Workshop

P.M: Technical Tour / Visit Research Laboratories / Bus Tour

Schedule Overview

Wednesday, July 3	Thursday, July 4	Friday, July 5	Saturday, July 5
<p>08:00 -12:15 Quadripartite Workshop at the University of Ljubljana</p> <p>12:15 -18:00 Workshop Technical Tour</p>	<p>08:00-23:00</p> <p>IYCE´2019 Conference</p> <p>http://www.iyce-conf.org/</p>		<p>08:00 -16:00</p> <p>IYCE´2019 Technical Tour</p> <p>http://www.iyce-conf.org/</p>
<p>19:00-22:00 IYCE´2019 Welcome Reception</p>			

Agenda, Wednesday, July 3

08:30 Signing in

09:00 Opening, Welcome Address

Introduction of Participants

- Dr. Peter Magyar, IAS Director of Chapter Development

Part 1 Presentations of the Univ. of Ljubljana, the Slovenia Section and Invited Guests (50min)

09:05 Presentation of IEEE Slovenia Section and SB University Ljubljana (20min)

- Assoc. Prof. Andrej Trost, IEEE Slovenia Section Chair

09:25 Welcome on behalf of newly formed IES / IAS Chapter (5 min)

- Prof. Vanja Ambrozic, IEEE Slovenia Section Joint IES/IAS Chapter Chair

09:30 Welcome on behalf of R8 Chapter Coordination Subcommittee (5min)

- Prof. Dr. Matej Zajc, University of Ljubljana

09:35 Invited Guest (20min)

- Prof. Magdalena Salazar-Palma, IEEE Region-8 Director

Part 2 Presentations of IEEE IAS and BUTE SB PES/IAS Chapter (40min)

09:55 IAS Product and Services - Technical Activity Overview (10min)

- Prof. Georges Zissis, IAS President

10:05 IAS YP, Chapters and Membership Overview (10min)

- Ms. Lesley Arakkal, IAS CMD Chair & Dr. Peter Magyar, IAS Director of Chapter Dev.

10:15 IAS Chapters in R8 (5min)

- Prof. Giuseppe Parise, IAS Chapters Area Chair R8

10:20 BUTE SB PES/IAS Chapter and the Hungarian Student Chapter of the Association of Energy Engineers (AEE) and Student Association of Energy (ESZK), Hungary (10min)

- Ms. Adrienn Katona, Chapter Chair & Mr. Àbel Cseh, IYCE´2019 General Chair: Activity of the

10:30 Celebration Act (5min)

Inauguration of the Slovenia Section Joint IES/IAS Chapter

10:35 Coffee break (hosted by IEEE Slovenia Section), (15min)

Photo Session

10:50 Technical Presentation and Q/A Session (40 min)

Light beyond Lighting, frontiers in Lighting Technologies: The human-centric intelligent lighting challenge

by Prof. Georges ZISSIS, SMIEEE, IAS President

Abstract:

Since the human race emerged it has been known that fire and heated objects emit light that can be used for lighting purposes; artificial lighting has been discovered. Since of 19th-century end, artificial lighting has been the subject of a continuous and fascinating evolution; 20th century scientists and development engineers worldwide created such a wide range of lighting solutions for every lighting application.

Today, the importance and application of these “legacy” lighting technologies is decreasing. During the last decade, Solid-State Lighting (LEDs, O-LEDs, solid-state lasers) challenges conventional technologies. In particular, LED has turned into a game changer beating the conventional technologies in all aspects. It is therefore anticipated that in short term, all of electric lighting will be based on SSLs. Should SSL revolution proceed to the projected conclusion, replacing all legacy technologies, there will be a further major change in the lighting market.

Artificial light production absorbs 15% of the world’s electricity annual production.

Therefore, past century’s research and development focused on single energy efficacy enhancement. Consequently, we knowingly were not serving society as effectively as we could. Industry has coined a new term “human-centric lighting” to draw renewed attention to its primary effort to be successful in meeting society’s needs. Furthermore, we are witnessing a transition from the conventional “analogue” lighting technologies to “digital” lighting. Intelligent lighting will become the backbone for smart homes and smart cities. This way, lighting will become the heart of the “Internet of Things”.

Q/A Session

11:30 Closing Address / Lunch instruction

11:35 Lunch (hosted by IAS CMD), (40min)

Part 3 Hosted by the IYCE’2019 Team

12:15 Option 1: IYCE’2019 participants may move individually to Bled

12:15 Option 2: The remaining IYCE’2019 participants who are also registered workshop participants may take part in a **technical tour** by motor coach, see details below and in <http://www.iyce-conf.org/registration-and-fees>.

Comment: this technical tour is not identical with the Technical Tour of IYCE 2019, which will be held on Saturday, July 6.

Technical Tour

- High Voltage Laboratory, University of Ljubljana

- JSI - Jožef Stefan Institute

<https://www.ijs.si/ijsw/JSI>

https://en.wikipedia.org/wiki/Jo%C5%BEef_Stefan_Institute

The tour will be ending at the conference hotel in Bled at ~18:00.

The Opening Reception of IYCE’2019 will be starting at ~19:00