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

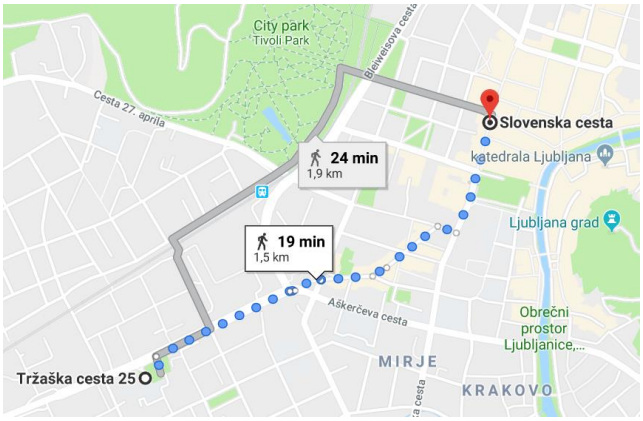
Date and time: Wednesday, July 3, 2019, 08:30 - 18:00

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

Registration: requested, free of charge

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 of University of Ljubljana

Agenda, Wednesday, July 3

08:00 Signing in
08:30 Opening
Introduction of Invited Guests

Part 1 Hosted by IEEE Slovenia Section and University of Ljubljana
08:35 Presentations of the University of Ljubljana and the IEEE Slovenia Section
Speakers
Assoc. Prof. Andrej Trost, Slovenia Section Chair
Prof. Dr. Matej Zajc, University of Ljubljana
Mr. Timotej Gruden, University of Ljubljana SB Counselor
Mr. Robi Ravnikar, University of Ljubljana SB Chair
TBD
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09:30 Coffee break

Part 2 Hosted by IEEE Industry Application Society
09:50 Presentations of IEEE IAS and BUTE SB PES/IAS Chapter
Prof. Georges Zissis, IAS President: IAS Product and Services - Technical Activity Overview
Ms. Lesley Arakkal, & Dr. Peter Magyar, IAS Director of Chapter Development: Chapters and Membership Overview
Ms. Adrienn Katona, Chapter Chair & Mr. Àbel Cseh, IYCE´2019 General Chair: Activity of the BUTE SB PES/IAS Chapter and the Hungarian Student Chapter of the Association of Energy Engineers (AEE) and Student Association of Energy (ESZK), Hungary
10:45 Celebration Act
Inauguration of the Slovenia Section IAS Chapter
Inauguration of the University of Ljubljana SB IAS Chapter
10:50 Technical Presentation
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".

11:30 Closing, Photo Session

11:35 Lunch

Part 3 Hosted by the IYCE´2019 Team

12:00 Option 1: IYCE´2019 participants may move individually to Bled

12:00 Option 2: The remaining IYCE´2019 participants and registered workshop participants may take part in a technical tour by motor coach.

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