



## CALL FOR PAPERS



### Important dates (deadlines):

Special sessions call:	<b>31.01.2020</b>
Full paper submission:	<b>07.02.2020</b>
Acceptance notification:	30.04.2020
Camera ready papers:	31.05.2020
Early registration:	30.06.2020

### Conference Committee:

#### PEMC Council Chair

Pavol Bauer, The Netherlands

#### PEMC Council Co-chairs

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#### Technical Program Co-chairs

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Mihai Cernat, Romania  
assisted by the track chairs

#### Special Sessions Chair

Viliam Fedak, Slovakia

#### Publicity Chair

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#### Industry liaison Chair

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#### Local Co-chairs

Zbigniew Kaczmarczyk, Poland  
Marcin Kasprzak, Poland

#### Webmaster, media

Michał Jelen, Poland

#### Conference Secretariat:

IEEE-PEMC2020

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### 2020 IEEE 19th International Power Electronics and Motion Control Conference

(IEEE-PEMC 2020) is the biennial conference initiated by the PEMC Council, focusing on contemporary research topics of power electronics, controls, electrical drives, robotics and related topics. This exciting event connects researchers and industry experts to share ideas and experiences surrounding frontier technologies, breakthrough and innovative solutions and applications.

#### Conference topics (Technical Tracks):

- Power Electronic Converter Topologies, Design and Control (TT01)  
*Chairs: G. Arsov (MK), D. Petreus (RO), R. Stala (PL)*
- Power Electronics in Transportation (TT02)  
*Chairs: G. Buja (IT), B. Nahid-Mobarekeh (FR)*
- Power Electronics in Smart Grid Technologies and Applications (TT03)  
*Chairs: I. Colak (TR), E. Kabalci (TR)*
- Power Electronics in Electrical Energy Generation and Distribution (TT04)  
*Chairs: V. Katic (SRB), C. Mihai (RO), M. A. Kamarposhti (IR)*
- Power Electronics in Renewable Energy Systems, Power Supplies (TT05)  
*Chair: S. Valtchev (PT), L. Petrescu (RO), W. Jarzyna (PL)*
- Electrical Machines and Actuators (TT06)  
*Chairs: G. Cvetkovski (MK), L. Livadaru (RO), T. Tudorache (RO), A. Rassolkin (EST)*
- Motion Control, Adjustable Speed Drives and Robotics (TT07)  
*Chairs: T. Orłowska-Kowalska, Poland, T. Wolbank, Austria, K. Zawirski, Poland*
- Sensors, Measurement and Observation Technique (TT08)  
*Chairs: S. Brock (PL), C. Ciufudean (RO), J. Hetmanczyk (PL)*
- Active Filtering and Unity Power Factor Correction (TT09)  
*Chairs: S. Mircevski (MK), M. Popescu (RO), P. Szczesniak (PL)*
- Semiconductor Devices Modeling, Packaging and Integration (TT10)  
*Chairs: M. Kasprzak (PL), J. Rabkowski (PL)*
- Education and other related topics (TT11)  
*Chairs: V. Fedak (SK), E. Helerea (RO), T. Vaimann (EST)*

#### Call for Special Session Proposals (list of already accepted SS available at the website)

Special sessions are planned to be organized on highly specialized topics that are not included in the conference tracks. Prospective organizers of such a sessions are invited to submit session proposal to the Conference Secretariat for acceptance. They must follow the rules established by the Conference Committee.

#### Tutorials and exhibition

Tutorials planned for organization prior to the conference will be announced at the website. Industrial partners are invited to contribute at the industrial exhibition during conference.

#### Submission of papers

The working language is English. Prospective participants are requested to electronically submit full papers of their work (up to 8 pages) following the instructions (available soon on the website). Accepted papers duly presented during the conference will be submitted to inclusion in IEEE Xplore online digital library database.

[www.ieee-pemc2020.org](http://www.ieee-pemc2020.org)



## How to get Gliwice



### By plane

Via **Katowice Airport (KTW)** which is located 40 km from Gliwice and directly connected by highway A1 and local buses AP1 (every hour; more info at: <https://www.metropoliatm.pl/en/s/linie-na-lotnisko>).

Via **Krakow Airport (KRK)**, located 100 km from Gliwice and directly connected by highway A4. Direct buses Flixbus and Leo Express operates to Gliwice. Indirect train and bus connections are also available via Krakow city center (bus/train leaves every 2 hours).

Via **Warszawa Airport (WAW)** located 300 km from Gliwice, but well connected by direct and indirect trains (with change in Katowice). Travel duration by train is about 4 hours and train leaves every hour (train timetable and tickets at <https://portalpasazera.pl/en>)

### By bus/train

International bus connections are possible by bus operators: Flixbus, Leo Express, Sindbad (partner of Euro Lines). International train connections are available from Katowice station (connected to Gliwice by local trains).

### By car

Gliwice city is situated on the cross-road of two longest highways in Poland, A1 from Gdansk to south of Europe (part of international route E75) and A2 from Germany to Ukraine (part of the route E40).

## Conference venue

The Education & Congress Centre (ECC) at the Silesian University of Technology (SUT) is planned as the conference venue. The ECC is a large dedicated conference facility with 5 large conference halls, several rooms and foyers with a total surface of about 6000 sq. m. and total number of seats exceeding 1000. The ECC is connected to the university buildings with lecture rooms of 150 – 300 seats, rooms with computers, printers and copy machines. Wi-fi including Eduroam is available. ECC is located in the middle part of the SUT campus.



## Accommodation

A variety of hotel accommodation is available in the vicinity of the conference venue. In the walking distance there are 5 hotels ranked with 3-4 stars (Diament\*\*\*\*, Silvia\*\*\*, Malinowski Business\*\*\*, Royal\*\*\*), and 6 additional hotels of 1-3 stars are in the distance up to 2 km. Most of accommodation places is high-ranked in travel rankings (e.g. Booking.com or Tripadvisor). An extra accommodation in 4-2 stars hotels is possible in neighbor town Zabrze (with short, up to 15 minutes, bus travel).

## Social program

The most interesting tourist attractions and tours around the Gliwice (availability will depend on number of participants willing to attend):

**Gliwice City Tour** (including famous Radio Tower – a Polish History Monument, All Saints Church and Upper Silesian Jews House of Remembrance) – half day trip.

Gliwice is a state-of-the-art city in the Silesia district. Radio Station is a symbol of Gliwice. Wooden, larch, 111 m high Radio Station mast from 1935 is the highest wood structure in the world. It was made with 16 thousand screws.



**Coal Mine Luisa (Guido)** – visit at the level of 320 m underground – half day trip.

Two excellently preserved mining levels are waiting for you 170 and 320 meters below the ground. You will go there with the authentic elevator (in Silesia called "szola"), the same that is used in active coal mines. The express ride in darkness takes just several dozen of seconds!

Shift is a new brand, unavailable so far, part of monumental Guido Coal Mine. It constitutes an area of a mining longwall no. 4, having been



mined for training and research purposes in the second half of the 20th century. An expedition on the level 355 is a mining shift with a full outfit. The route is for those who are prepared to make a considerable effort and for a solid dose of impressions.

**Kraków City Tour (UNESCO Heritage List)** – all day trip.

It is the second largest and one of the oldest cities in [Poland](#). Situated on the [Vistula River](#). The city dates back to the 7th century. Krakow was the official capital of Poland until 1596 and has traditionally been one of the leading centers of Polish academic, economic, cultural and artistic life. One of the most beautiful cities in Europe.



**Memorial And Museum Auschwitz-Birkenau** – all day trip.

Auschwitz was the largest of the German Nazi concentration camps and extermination centers. Over 1.1 million people lost their lives here. All over the world, Auschwitz has become a symbol of terror, genocide, and the Holocaust. It was established by Germans in 1940, in the suburbs of Oswiecim, a Polish city that was annexed to the Third Reich by the Nazis. Its name was changed to Auschwitz, which also became the name of Konzentrationslager Auschwitz.

