

## Venue

The ПЕC 2021 Online Conference will be held at the Faculty of Electronic Engineering, University of Niš. The address of the conference venue is:

Faculty of Electronic Engineering  
Aleksandra Medvedeva 14  
18000 Niš, Serbia



## Conference Chairman

Nenad Cvetković, University of Niš, Serbia

## Local Organizing Committee

Saša Ilić, University of Niš, Serbia  
Mirjana Perić, University of Niš, Serbia  
Dragana Živaljević, University of Niš, Serbia  
Ana Vučković, University of Niš, Serbia  
Dejan Jovanović, University of Niš, Serbia  
Dragana Jovanović, University of Niš, Serbia  
Dušan Vučković, University of Niš, Serbia

## Contact Details

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## Location

The city of Niš is situated in the Nišava valley, at the crossroads of most important Balkan and European traffic routes. With more than 250,000 inhabitants, it is the largest city of South Serbia and the third-largest city in the country. It is an educational and industrial centre with a variety of travel sites to offer visitors within the city and in its surroundings. For more information about the city of Niš, its past and present visit the official web presentation at: <http://www.ni.rs>



## 15th International Online Conference on Applied Electromagnetics

August 30 - September 01, 2021  
Niš, Serbia



Organized by:

Faculty of Electronic Engineering,  
University of Niš, Serbia

Faculty of Electrical Engineering and  
Information Technology, Ilmenau University of  
Technology, Germany

Faculty of Technical Sciences Čačak,  
University of Kragujevac, Serbia

Faculty of Occupational Safety,  
University of Niš, Serbia

Technical University of Sofia

## Steering Committee

Zlata Cvetković, University of Niš, Serbia  
Hannes Topfer, Ilmenau University of Technology, Germany,  
Ivan Yatchev, Technical University Sofia, Bulgaria  
Alenka Milovanović, University of Kragujevac, Serbia  
Dejan Krstić, University of Niš, Serbia,

## Scientific Committee

Vesna Arnaudovski-Toševa, Univ.Sts. Cyril and Methodius, Macedonia,  
Marinko Barukčić, University of Osijek, Croatia,  
Hartmut Brauer, Ilmenau University of Technology, Germany,  
Mario Cvetković, University of Split, Croatia,  
Snezana Čundeva, University Sts. Cyril and Methodius, Macedonia,  
Tatjana Dlabach, University of Montenegro, Montenegro  
Nikola Đurić, University of Novi Sad, Serbia,  
Jawad Faiz, University of Teheran, Iran,  
Mićo Gaćanović, University of Banjaluka, Bosnia and Herzegovina  
Marian Greconici, Polytechnic University of Timisoara, Romania  
Miralem Hadžiselimović, University of Maribor, Slovenia,  
Željko Hederić, University of Osijek, Croatia,  
Ilona Iatcheva, Technical University Sofia, Bulgaria  
Nathan Ida, University of Akron, USA,  
Saša Ilić, University of Niš, Serbia,  
Marko Jesenik, University of Maribor, Slovenia,  
Karolina Kasaš Lažetić, University of Novi Sad, Serbia,  
Branko Koprivica, University of Kragujevac, Serbia  
Žaklina Mančić, University of Niš, Serbia,  
Vera Marković, University of Niš, Serbia,  
Gradimir Milovanović, Serbian Academy of Sciences and Arts, Serbia,  
Miodrag Milutinov, University of Novi Sad, Serbia,  
Damjan Miljavec, University of Ljubljana, Slovenia,  
Mirjana Perić, University of Niš, Serbia  
Bojana Petković, Ilmenau University of Technology, Germany,  
Milan Plazinić, University of Kragujevac, Serbia  
Milka Potrebić, University of Belgrade, Serbia,  
Farhad Rachidi, Swiss Federal Inst. of Technology (EPFL), Switzerland,  
Vladimir Rakov, University of Florida, USA,  
Milica Rančić, Mälardalen University, Västerås, Sweden,  
Maurizio Repetto, Politecnico di Torino, Italia,  
Sergei Silvestrov, Mälardalen University, Västerås, Sweden,  
Aida Spahiu, Polytechnic University of Tirana, Albania,  
Vladimir Stanković, University of Niš, Serbia,  
Vidosav Stojanović, University of Niš, Serbia,  
Bojan Štumberger, University of Maribor, Slovenia,  
Vasilija Šarac, University Goce Delcev, Stip, Macedonia,  
Dejan Tošić, University of Belgrade, Serbia,  
Stanimir Valtchev, New University of Lisbon, Portugal  
Ana Vučković, University of Niš, Serbia  
Slavko Vujević, University of Split, Croatia,  
Darko Zigar, University of Niš, Serbia  
Dragana Živaljević, University of Niš, Serbia  
Jeroslav Živanić, University of Kragujevac, Serbia

## Conference History

Prof. Dr. Dragutin M. Velickovic (1942-2004) initiated the series of conferences on applied electromagnetics, and the first one in 1984. under the name First Serbian Symposium on Applied Electrostactics PIEC at the Faculty of Electronic Engineering in Niš. The next three assemblies were held in 1986, 1990. and 1996, respectively. In 2001, Symposium changed its name into the International Conference on Applied Electromagnetics. The seventh PIEC 2005 was dedicated to the founder and the chairman of the Conference, Professor Dr. Dragutin M. Velickovic. The first ten well-organized conferences with a great number of participants from abroad and from Serbia have allowed the organizers to make new steps in improving the conference quality.

The 15th PIEC 2021 Conference is intended to be a highly competent, scientific and professional meeting aimed at the efficient exchange of results in the area of applied electromagnetics, presentation of current scientific results, development trends, etc. The aim of the 15th PIEC 2021 Conference is to discuss recent developments in applied electromagnetics and their applications to the design and operation of electromagnetic devices. It is intended to establish a platform where experts in engineering, involved in research or industrial areas, can discuss on the theoretical aspects of electromagnetic problems as well as on applications of inovations in these fields.

## Scientific Topics

1. Computation of electromagnetic fields
2. Inverse electromagnetic field problems
3. Optimization techniques
4. Electromagnetic field measurement techniques
5. Electromagnetic CAD
6. EMC problems
7. Coupled field problems: electromagnetic, thermal, mechanical fields
8. Non-linear electromagnetic systems
9. Bioeffects of electromagnetic fields
10. EM circuits&systems
11. Other

## Submission of Contributions

Original, previously unpublished contributions are expected. The authors are encouraged to submit a one-page digest by **June 28, 2021**. Manuscripts should be prepared according to the instructions, and submitted using the online Paper Submission application.

Digests should be informative and concentrated on results. A digest template is available on the website: <http://pes.elfak.rs>. The conference will feature oral and poster presentations. The official conference language is English.

All submitted digests will be reviewed in order to determine their suitability for publication. Notification of acceptance of the contributions will be given by **July 26, 2021**. All accepted digests will be printed in the Proceedings of extended abstracts before the conference.







Full paper submission: Authors of accepted contributions will be invited to submit a full paper. A camera-ready manuscript of full paper in both the DOC and PDF format will be required by **August 16, 2021**. Detailed instructions for preparing a full paper version will be sent to all authors of accepted papers and will also be available on the conference website.

## Publication of full papers

All presented full papers will be published on a CD Proceedings of full papers after the conference.

## Publication of selected papers

All presented full papers will be, depending on the content, considered for publication in journals:

-  E+E journal (Elektrotechnika & Elektronika published by the Union of Electronics, Electrical Engineering and Telecommunications /CEEC/Bulgaria),
-  Facta Universitatis, Series: Electronics and Energetics (published by Faculty of Electronic Engineering, University of Nis),
-  Serbian Journal of Electrical Engineering (published by Faculty of Technical Sciences Cacak),
-  JET - Journal of Energy Technology (Faculty of Energy Technology, University of Maribor, Slovenia)
-  Safety engineering (published by Faculty of Occupational Safety, University of Nis)
-  Transactions on Mathematics & Physics (Scientific Bulletin of the Politehnica University Timisoara, Romania)

## Important dates

Submission of one-page digest: **June 28, 2021**

Notification of acceptance: **July 26, 2021**