

Association for Research and Promotion of Energy Efficiency and
Sustainable Development SCEESD- Skopje

CALL FOR PAPERS

EIGHTH STUDENT CONFERENCE “ENERGY EFFICIENCY AND SUSTAINABLE DEVELOPMENT”



SCEESD 9th December – 12th December 2020

Association for Research and Promotion of Energy Efficiency
and Sustainable Development SCEESD- Skopje

Faculty of Electrical Engineering and Information
Technologies FEEIT- Skopje

Invite you to take part in the

**EIGHTH STUDENT CONFERENCE
“ENERGY EFFICIENCY AND
SUSTAINABLE DEVELOPMENT”**

9th December – 12th December 2020

Skopje, Republic of North Macedonia



skeeor@feit.ukim.edu.mk
skeeor.sceesd@gmail.com



contact@feit.ukim.edu.mk

Conference goals and objectives

The main purpose of this conference is raising awareness for the need of energy efficiency, renewable energy sources and sustainable development measures, mainly targeting engineering students as future problem solvers of numerous challenges which are faced by modern society.

Through scientific research, participants are encouraged to work on problems concerning energy efficiency and sustainable development. Taking part in the conference by writing and presenting scientific papers, gives participants the opportunity to contribute to further development in these dynamic and promising research areas.

The conference initiates collaboration among participants, offers a chance to attend plenary sessions and meet eminent professors and professionals with experience and expertise in the field. Apart from the exchange of knowledge and experiences, SCEESD is a great opportunity to create lasting contacts that can lead to future cooperation, professional and personal development.

Furthermore, the conference aims to reach a wider audience and spark interest in the topics of energy efficiency and sustainable development.

Scientific fields of the conference

Conference topics of interest include, but are not limited to:

A. RENEWABLE ENERGY SOURCES – RES

- A1. Direct and indirect usage of renewable energy
- A2. New and advanced materials application in renewable energy field
- A3. Design and modeling of renewable energy power plants
- A4. Hybrid renewable energy systems for power generation
- A5. Power grid integration of RES
- A6. Distributed power generation from RES
- A7. Renewable energy storage technologies
- A8. Biofuels – production, characteristics and possibilities for usage
- A9. Modern technologies for biomass usage

B. ENERGY EFFICIENCY, AUTOMATION AND MEASUREMENTS

- B1. Energy efficient electric machines, devices and apparatuses
- B2. Software applications and computer-aided design of electric power systems and RES
- B3. Process and facilities automation in RES
- B4. Energy efficiency measurement in facilities and processes
- B5. Impact of energy efficient electronic consumers on the power system
- B6. Efficient energy consumption - planning and automation
- B7. Sustainability assessment of energy systems



B8. Sustainable systems management and monitoring

C. ELECTRIC VEHICLES AND ENERGY EFFICIENT TRANSPORT

- C1. Electric and hybrid vehicles
- C2. Fuel cell vehicles (FCV)
- C3. Energy efficient and sustainable transport
- C4. Energy management in transport

D. ENERGY EFFICIENCY AND SUSTAINABILITY OF THE ENVIRONMENT, NEW TECHNOLOGIES AND MATERIALS

- D1. Greenhouse gasses emission reduction policies
- D2. Global environmental change and ecosystems management
- D3. Measures, methods and new technologies for reducing environmental pollution
- D4. Environmental sustainability
- D5. Storage and utilization of waste
- D6. New ways for utilization of nanomaterials
- D7. Smart grids

E. ENERGY EFFICIENCY IN FACILITIES, CIVIL ENGINEERING AND ARCHITECTURE

- E1. Zero energy buildings
- E2. Energy efficient materials in civil engineering and architecture
- E3. Energy efficient buildings control and standardization
- E4. Building structures and environment
- E5. Electrical energy savings in residential and non-residential buildings

Participants

- Undergraduate students
- Postgraduate students
- Academic members
- Companies whose work is related to the conference theme

Official languages of the conference

- Macedonian
- English

Instructions for participants

- Participants that are currently in their undergraduate studies have to write their papers under a mentorship of a professor.



- For participants that are currently in their postgraduate studies, having a professor as a coauthor of their paper is recommended.
- The participation in the conference for all student **is free**.
- The registration fee for the conference for companies is 50€.
- **To take part in the conference, authors have to apply by sending a completely filled application form including an abstract online:**
https://docs.google.com/forms/d/e/1FAIpQLSehIzw7g6ivLeVm5q5t5duApULDIzoxhSqtDoIdWTSekCavgw/viewform?usp=sf_link
- **until 01.10.2020. The application form can be found on the official website of the conference** <http://skeeor.feit.ukim.edu.mk>.
- Abstracts should be written according to the instructions posted on the official website of the conference <http://skeeor.feit.ukim.edu.mk>
- **The deadline for submission of the full paper text is 15.10.2020.**

Paper review

Papers will be reviewed by the Scientific Board. If necessary, participants will be given additional instructions for paper correction by the Scientific Board.

Conference proceedings

Papers submitted and presented at the conference will be published in the conference proceedings, subject to their acceptance by the Scientific Board. Each conference proceeding will have a unique digit International Standard Book Number (ISBN) code. The proceedings book can be found on SCEESD's official website.

Location

ZOOM – video communication platform

Information about the organizers

- **SCEESD** – Association for Research and Promotion of Energy Efficiency and Sustainable Development SCEESD- Skopje
<http://skeeor.feit.ukim.edu.mk>
- **FEEIT** – Faculty of Electrical Engineering and Information Technologies, Rugjer Boshkovik 18, 1000 Skopje, Republic of North Macedonia
www.feit.ukim.edu.mk

Important dates

- | | |
|--------------------------------|----------------------------------|
| 01.10.2020 | ▪ Application deadline |
| 15.10.2020 | ▪ Full paper submission deadline |
| 09.12.2020 – 12.12.2020 | ▪ Conference |

