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

Seventh Student Conference
Energy Efficiency and
Sustainable Development

SCEESD
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FIRST CALL FOR PAPERS

Association for Research and Promotion of Energy Efficiency and Sustainable Development

Faculty of Electrical Engineering and Information Technologies – Skopje

Invite you to take part in the 7th student conference for

ENERGY EFFICIENCY AND SUSTAINABLE DEVELOPMENT

29 October-01 November 2019

Skopje, Republic of North Macedonia

● Conference goals and objectives

The main purpose of this conference is raising the awareness for the need of energy efficiency, renewable energy sources and measures and mechanisms for sustainable development, especially for engineering students – the future problem solvers of the numerous challenges the modern society is facing.

Through the scientific research, the students are encouraged to work on projects concerning energy efficiency and sustainable development. By presenting their projects and participating in the conference discussions they will contribute to the development of novel ideas in these dynamic and promising research areas.

The conference enables students to initiate mutual collaborations among each other, but it also enables them to collaborate with eminent professors and companies with experience and expertise in the field. Apart from the exchange of knowledge and experiences, this is a big opportunity to create lasting contacts that can lead to future cooperation and a professional and personal development.

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

● Scientific fields of the conference

A. RENEWABLE ENERGY SOURCES

A1. Direct and indirect usage of renewable energy
A2. Application of new materials in the renewable energy field
A3. Design and construction of renewable energy power plants
A4. Hybrid renewable energy systems for electric power generation
A5. Power grid integration of renewable energy sources
A6. Distributed power generation from renewable energy sources
A7. Renewable energy storage technologies
A8. Biofuels – production, properties and usage
A9. New technologies for biomass

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 renewable energy systems
B3. Automation of processes and facilities to ensure the utilization of RES

B4. Measuring the energy efficiency of facilities and processes
B5. Energy efficient electronic consumers impacts over the power system
B6. Automation and planning for efficient use of energy
B7. Energy systems sustainability assessments
B8. Control and monitoring of sustainable systems

C. ELECTRIC VEHICLES AND ENERGY EFFICIENT TRANSPORTATION

C1. Electric and hybrid vehicles
C2. Fuel cell vehicles (FCV)
C3. Energy efficient transportation
C4. Managing energy for transportation

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

D1. Greenhouse gas emission reduction policies
D2. Global environmental change and ecosystems management
D3. Measures, methods and new technologies for reducing the pollution of the environment
D4. Environmental sustainability
D5. Landfills, storage and utilization of waste
D6. New ways of utilizations 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 registration fee for the conference is 10€ per participant.

- The registration fee for the conference for companies is 50€.

- The organized accommodation is in a hostel. The price for four nights is 20€.

- To take part in the conference, authors have to apply by sending acompletely filled application form including an abstract online https://goo.gl/forms/nUuNLOmVU9c3ALJ22 until **01.07.2019**. 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 **01.09.2019.**

• Papers review

Papers will be reviewed by the Scientific Board. If necessary, meetings between conference participants and the Scientific Board will be organized for paper correction.

• Conference proceedings

The papers that are written according to the official instructions and sent until the deadline, if accepted by the Scientific Board, will be published in the conference proceedings.

• Location

- Faculty of Electrical Engineering and Information Technologies, Skopje, Republic of Macedonia.

• Information about the organizers

- **SCEESD** – Student Conference "Energy Efficiency and Sustainable Development" 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

01.07.2019 –Deadline for sending an application

01.09.2019 – Deadline for submission of the full paper text

29.10.2019 – 01.11.2019 – Conference