Conference of Young Scientists on Energy Issues (CYSENI)

On 23–25 of May, 2018, the **15th Annual International Conference of Young Scientists on Energy Issues (CYSENI 2018)** will be organized at the Lithuanian Energy Institute. This conference is being organized each year and brings together students and young scientists from various countries to share experience in solving energy issues and problems, introduce colleagues to ongoing research and the latest research results; conference participants are also given a chance to learn, to review and evaluate papers, relevance of the analysed topics and importance of the obtained results.

Conference topics are:

1. Renewable energy sources
2. Energy efficiency and reliability
3. Smart energy networks
4. Energy economics and policy
5. Hydrogen energy and fuel cell technologies
6. Fusion energy
7. Nuclear fission and radiation protection
8. Combustion and plasma processes
9. Thermal physics, fluid mechanics and metrology
10. Material sciences and technologies
11. Global change and ecosystems
12. Cross-cutting energy issues

The initiative for such an event came from young and enthusiastic researchers of the Lithuanian Energy Institute (LEI). They realised that there are a lot of young, smart and science-oriented young people who do research in the energy area and they need a place and time to meet each other, to share their views, generated ideas and present the latest results of their researches. The first conference was organized in 2004, whereas in 2007 this conference became international already and had participants from neighbouring countries (Belarus and Poland). Each year the number of conference participants grew up. In 2013, the conference celebrated its 10 years anniversary and accepted scientific papers from many foreign countries – Latvia, Estonia, Poland, Belarus, Ukraine, Moldova, Georgia, Romania, Nigeria, Indonesia, and Taiwan.

The last (fourteenth) conference was held on 25–26 of May, 2017. The conference attracted increasingly more participants from foreign countries. Papers were presented by young scientists from Lithuania as well as Latvia, Estonia, Belarus, Ukraine, Russia, Sweden and more distant ones like Norway, France, Denmark, Germany, Spain, United Kingdom, Uzbekistan. Conference participants were invited to attend three plenary session presentations – by a representative of the Royal Institute of Technology – KTH (Sweden), Prof. Waclaw Gudowski (*Major Physics Discoveries Leading to Nuclear*

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Power); a representative of EURATOM/EUROfusion consortium, Programme Management Unit, Dr. Francesco Maviglia (*The Road to Nuclear Fusion Energy: Updates on ITER and DEMO projects*); and the Executive Director of the Lithuanian Wind Power Association, Mr. Aistis Radavičius (*Wind Energy Becoming Mainstream Energy Source*). This year, doctoral students and young scientists mostly focus on investigation of the issues concerning research in different energy generation technologies (incl. renewable energy sources, nuclear fission and fusion energy, hydrogen energy), energy efficiency and reliability, smart energy networks and sustainable energy development. These are particularly relevant topics corresponding to the European Union priorities and energy development scenarios developed in each country individually and implemented measures aimed at promoting sustainable development, energy efficiency, and energy security.

Hence, the Lithuanian Energy Institute is glad to invite you to the next Conference of Young Scientists on Energy Issues (CYSENI 2018), which will be held on 23–25 May, 2018 in Kaunas, Lithuania. Each young and initiative scientist has an opportunity to be a participant of this great event, just draw attention to 18 of December, 2017 – the deadline for registration and abstract submission.

Invitation brochure for CYSENI 2018: http://url.lei.lt/cys18brochure

Conference Website: http://cyseni.com/

Conference Facebook: https://www.facebook.com/CYSENI/

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