

The XIV International Scientific Conference
«ENERGETIKA XXI: Economy, Policy, Ecology»
«Russia and Global Net-Zero»
17-19 November 2021

The Paris Agreement supported by the IPCC report strongly suggests to limit global warming to 1.5°C. More and more countries announce their wish to achieve net-zero emissions in the coming decades. Nevertheless all the announced governmental measures summed up together will not ensure that global energy-related carbon emissions reach zero by 2050. Thus besides immediate deployment of all known and available clean energy technologies, more critical steps will be needed, i.e. cuts of investment in new fossil fuel supply projects and coal plants, phasing out of ICE engines for passenger cars, etc.

An ambitious goal to decarbonize electricity generation will open wide room for renewables (mainly solar and wind) and nuclear power but will bring massive curtailments for fossil fuels producers and suppliers. Oil production will shrink dramatically and remaining supply will be concentrated in the hands of a limited number of low-cost producers. The market of natural gas can be more successfully adapted to the new carbon neutral reality if natural gas is combined with CCS or transformed into blue hydrogen which will play vital role in industry and other segments unavailable to electricity. Major gas producers like Qatar and Russia, as well as US, Iran and Turkmenistan can keep their strong role as reliable suppliers of energy if they engage - together with their customers - in decarbonizing the gas chain, avoiding methane leakage is of preeminent importance.

The transit to net-zero raises a lot of questions: energy efficiency, security, adequacy and reliability of supply and challenges caused by its political and social consequences. The place of big fossil fuels producers like Russia in the global quest to net-zero should be thoroughly discussed. The ENERGETIKA Conference offers itself as a place for an open dialogue upon such a topic.

The ENERGETIKA is a conference regularly held in St. Petersburg in the month of November to address recent developments in the energy sector on a global basis with special focus on Russia. It is organized by UNECON (St. Petersburg State University of Economics), combining an open academic atmosphere with the insights of representatives of important energy companies, like Gazprom, Equinor, Uniper, etc. as well as from national and international public organizations.

The conference is planned to be in person, however contributions may also be online. Conference languages are English and Russian, simultaneous translation will be provided.

Participation is free, subject to registration and available places.

Previous ENERGETIKA conferences and workshops programs, presentations and photos are available at: <https://energetika.unecon.ru/archive.html>

To register, please, fill out the registration form on the website - <https://energetika.unecon.ru/index-eng.html>

Preliminary Program

Venue: Saint Petersburg State University of Economics, Griboedova Canal Embankment, 30-32

17 November 2021

Wednesday

14.00 – 18.00 Pre Conference Workshop on “How to combine reliable energy supply with decarbonization?”

18 November 2021

Thursday

Day 1: Recent Developments of Energy Markets

10.00 – 13:30 Plenary Session on recent developments in energy and decarbonisation

14:45 – 18:00 Three Parallel Work streams with Coffee Break

WS1: Hydrogen, how to make it happen

WS2: National Ambitions and Pathways of Net-Zero;

WS3: Industry Beyond 2030;

18:00 – 19:00 Wrap-up Session by session chairs and special rapporteur

19 November 2021

Friday

Day 2: Interactive discussions under Chatham House rules

10.00 – 11.45 Global net zero: a new geopolitical dimension, round table headed by Petter Nore

12.15 – 14.00 Young researchers discussion headed by James Ball:

- **Friday for Future: answers to questions raised on Wednesday;**