



CONFERENCE PROGRAM

SUSTAINABLE ENERGY SYSTEMS:
INNOVATIVE PERSPECTIVES

"SES-2020"

OCTOBER 29-30, 2020

The program is formed according to **Moscow time**

<https://bcc-conference.com/suses-2020>

COMMITTEE

- Zunino Pietro, professor, University of Genoa, Italy
- Pravin Pralhad Deshpande, professor, College of Engineering, India
- Mikhail Butusov, professor, The University of Natural Resources and Life Sciences, Vienna, Austria
- Skoda Radek, professor, The Czech Technical University in Prague, Prague
- Petr Toman, professor, Brno University of Technology, Czech Republic
- Stielkowski Wadim, professor, Assistant Director of the Centre for Energy Studies at Prague Business School (Czech Republic)
- Steffen Kurth, Doctor-Engineer, Fraunhofer-Gesellschaft for the Promotion of Applied Research eV, Munich Board, Germany
- Michail Kolcun, professor, Head of the Department of Electrical Power Engineering of the Faculty of Electrical Engineering and Computer Science of the University of Košice, Slovak Republic
- Hakan Hocaoglu, professor, Gebze Technical University, Turkey
- Dan Doru Micu, professor, Technical University of Cluj-Napoca, Romanian
- Natalia Politaeva, professor, Peter the Great St.Petersburg Polytechnic University, St. Petersburg, Russia
- Smyatskaya Julia, assistant professor, Peter the Great St.Petersburg Polytechnic University, St. Petersburg, Russia
- Verstina Natalia, professor, Moscow State University of Civil Engineering, Russia
- Rushina Singhi, associate professor, Amity University Noida, India
- Lakhwinder Kaur Dhillon, Amity University Uttar Pradesh, India
- Jaya Yadav, professor, Amity University Noida, India
- Sanjeev Bansal, FMS & Director- Amity Business School, Amity University Uttar Pradesh India
- Vijit Chaturvedi, professor, Amity University Noida, India
- Vinamra Jain, assistant professor, Amity Business School, Noida, India
- Georgios Florides, Adjunct Professor, Cyprus University of Technology, Limassol, Cyprus
- Lazaros G. Aresti, Cyprus University of Technology, Limassol, Cyprus
- Priyanka Singh, Professor, Amity School of Engineering and Technology, India
- Amit Kumar Pandey, Professor, Amity Business School, India
- Satya N Mandal, Professor, RICS School of Built Environment, India
- Kinshuk Saurabh, Professor, Indian Institute of Management (IIM), Nagpur, India
- Saurabh Shukla, Assistant Professor, SRMU, Lucknow, India
- Kaushal Kumar, Session Chair- Engineering & Technology, Professor, K R Mangalam University, India
- Ramsha Khan, Assistant Professor, SRMU, Lucknow, India
- Kirill Epifantsev, SUAI, St. Petersburg, Russia
- Amrita Singh, Professor, ABES Engineering College, India
- Anna Stefańska, PhD, Faculty of Architecture, Warsaw University of Technology, Poland
- Krystyna Araszkievicz, Professor, West Pomeranian University of Technology, Szczecin, Poland
- Avadhesh Kumar Singh, Professor, VC, AURO University, Gujrat, India
- Ajay Kumar Yadav, Professor, Registrar, AURO University, Gujrat, India
- Rohit Singh, Professor in Marketing and Dean Academics, AURO University, Gujrat, India
- Yulia A. Antokhina, Doctor of Economics, Professor, Rector of the St. Petersburg State University of Aerospace Instrumentation
- Semenova Elena Gergievna, Doctor of Technical Sciences, Professor. Director of the Institute for Fundamental Training and Technological Innovation of the Saint Petersburg State University of Aerospace Instrumentation
- Saurav Dixit, PhD in Built Environment

CONFERENCE TOPICS

Technologies for emissions reducing in the energy sector and industry	Application of renewable energy sources
Disposal and recycling of solid municipal and industrial wastes	Circular economy based on agricultural waste and sewage sludge conversion
Energy efficient and sustainable buildings	Innovation management and technologies of sustainable cities
Sustainable Construction, Health and Safety	Creative Construction Technology and Materials
Construction simulation, virtual construction	Building Information Modelling and Rapid Prototyping for Construction
Creative Management in Construction	Consumption Practices in a Digital Era
Innovative Advertising Practices for Enhancing Brand Value	Responsible Consumerism and the environment
Operational Innovation/Sustainable Operations Management	Supply Chain Management in Digital Era/New technology absorption

OCTOBER 29

KEYSPEAKERS

Rohit Singh

Professor in Marketing and
Dean Academics
AURO University, Gujrat,
India

**Paul
Christodoulides**

Assistant Professor
Cyprus University of
Technology, Limassol,
Cyprus

Vladimir Okrepilov

Professor, Head of the
Department of Metrological
Support of Innovative
Technologies and Industrial
Safety
St. Petersburg State
University of Aerospace
Instrumentation, Russian
Federation

Anatoliy Ovodenko

Professor, President
St. Petersburg State
University of Aerospace
Instrumentation, Russian
Federation

Saurav Dixit

Dr., Advisor
Pioneer Research and
Consultancy Services, India

T S Parmar

Dr., MD & CEO
Albert David Ltd., India

ZOOM LINK:

<https://us02web.zoom.us/j/83876917117?pwd=RGw4QWNUMkw2Z3pJVEFvZGF1aldmZz09>

CODE: 800559

10:00 – 10:10 CONFERENCE OPENING

10:10 – 13:45 PLENARY SESSION:

10:10 – 10:40 Saurav Dixit, Dr., Advisor, Pioneer Research and
Consultancy Services, India

10:40 – 11:10 Rohit Singh, Professor in Marketing and Dean
Academics, AURO University, Gujrat, India

11:10 – 11:40 Paul Christodoulides, Assistant Professor, Cyprus
University of Technology, Limassol, Cyprus

11:40 – 12:10 Anatoliy Ovodenko, Professor, President, St.
Petersburg State University of Aerospace Instrumentation,
Russian Federation

12:10 – 12:40 Vladimir Okrepilov, Professor, Head of the
Department of Metrological Support of Innovative
Technologies and Industrial Safety, St. Petersburg State
University of Aerospace Instrumentation, Russian Federation

12:40 – 13:10 T S Parmar, Dr., MD & CEO, Albert David Ltd.,
India

13:10 – 18:00 PRESENTATIONS:

13:10 – 13:25 Nida Nida and Anubha Godara "GREEN WASHING: ITS CONCEPT, DRIVERS AND CONSEQUENCES"

13:25 – 13:40 Priyanka Singh, Rajesh Kumar Rai and Saurav Dixit "Farm advisory services for farmers using SWAT and APEX model"

13:40 – 13:55 Ekaterina Kudryashova and Anna Shashkova "Tax Incentives Issue for Innovations in Sustainable Energy within the BRICS strategic partnership framework"

13:55 – 14:10 Gennady Korshunov, Remir Solnitsev, Sergey Polyakov and Elena Frolova "Ensuring energy efficiency and environmental friendliness of industrial waste based on local conservation laws"

14:10 – 14:25 Dherya Mehta and Gnanasambandam Subbaiyan "A survey-based approach to investigate the relation between Open-Plan-Office environments and occupants' sleep quality in India"

14:25 – 14:40 Vladimir Okrepilov, Yulia Antokhina, Elena Semenova and Galina Getmanova "Innovative urban ecosystems – features of Russian formation and development"

14:40 – 14:55 Anatoliy Ovodenko, Yan Ivakin, Elena Frolova and Maria Smirnova "Qualimetric model for assessing the impact of the level of development of corporate information systems on the quality of aerospace instrumentation"

14:55 – 15:10 I.A. Shishkin, N.A. Zhilnikova, A.S. Smirnova, A.A. Baranova "Ecological and technological criteria for comparing the natural intensity of industrial and municipal waste sites with the technological intensity of the environment"

15:10 – 15:25 Kirill EPIFANTSEV and Elena KIPRIYANOVA "Study of fertilizers from waste based on chicken manure and aerobic compost waste to improve the environmental situation in the Leningrad Region"

15:25 – 15:40 Shailja Sinha, Sumeet Singh Jasial and Prof. Gopal Sinha "Innovative Use of Sustainable Solar Power in Environment Protection and Emergency Response"

15:40 – 15:55 Pavel Iakovlev, Vladimir Lebedev and Vladimir Piskunov "Thermal conditions of load-bearing elements of radioactive waste storage facilities"

15:55 – 16:10 Yaroslav Shchenikov "The systematic approach to designing energy efficient cities"

16:10 – 16:25 Saitov Elyor, Sobirov Yuldosh, Yuldoshev Isroil and Kodirov Sherali "STUDY OF SOLAR RADIATION AND WIND CHARACTERISTICS IN VARIOUS REGIONS OF UZBEKISTAN"

16:25 – 16:40 Dr. Priyanka Singh, Bhumika Pandey, Kartik Papreja and Mirza Jahangir Baig "Designing and 3-D Modelling of a Sustainable Cable Stayed Bridge- A Case Study"

16:40 – 16:55 Anna Stefańska, Anna Mikos and Ewelina Zientata "Geometrical transformations of reticulated pavilion canopies as a method for structural optimization"

16:55 – 17:10 Oksana Skotarenko and Lyudmila Babkina "Portfolio management in construction"

17:10 – 17:25 Arsen Tleppayev and Assel Azhibayeva "Investment attractiveness of energy saving measures"

17:25 – 17:40 Krystyna Araszkievicz "Value Engineering applicability in design of sustainable, energy efficient buildings"

17:40 – 17:55 E. N. Zaychenko "Energy saving in urbanism and architecture"

OCTOBER 30

ZOOM LINK: <https://us02web.zoom.us/j/89179970081?pwd=NnNPWVJUWlo2S1JGOWRxdmZvaGRldz09>

CODE: 170157

12:00 – 17:45 PRESENTATIONS:

12:00 – 12:15 Barik Riaz "Recent Advances in Use of Self Compacting Concrete (SCC) in Digitally Fabricated Concreting: A Review"

12:15 – 12:30 Rishat Ganiev "Two-way conductivity converters in the technology of tire cord rubberization"

12:30 – 12:45 Anna Kapranova, Daria Bahaeva, Dmitry Stenko, Alexander Vatagin, Anton Lebedev and Dmitry Lichak "Distribution of the components of the building mixture in the presence of secondary raw materials during rotary mixing"

12:45 – 13:00 Anthony De Sa, Satya Mandal, N Sridharan and Deepak Bajaj "Driving change in the brick manufacturing industry in India through the RERA regulatory mechanism"

13:00 – 13:15 Timur Petrov, Vladimir Kornilov, Alfred Safin, Nikita Kuvshinov, Alexey Tsvetkov and Ramil Gibadullin "The use of a digital controller in the loading system of the test bench to improve the accuracy of simulating the modes of oil pumping units"

13:15 – 13:30 Lakkireddy Sai Indra Sena Reddy, Dr M.M.Vijayalashmi and Lakki Reddy Sai Indra Sena Reddy "High performance concrete using GGBS and robosand"

13:30 – 13:45 Priyanka Singh "Development of Prediction models for Compressive strength of Steel Fiber Reinforced Concrete by Computational Machine Learning"

13:45 – 14:00 Galina Nyashina, Pavel Strizhak, Dmitriy Glushkov, Amaro Pereira and Anand Ramanathan "Numerical investigation of the process of biomass pyrolysis and gasification"

14:00 – 14:15 Manvendra Verma and Nirendra Dev "Geopolymer Concrete: A Sustainable and Economic Concrete"

14:15 – 14:30 Yulia Ustinova "Calcium sulfate crystallization with the polymeric additives"

14:30 – 14:45 Saitov Elyor, Sobirov Yuldosh, Yuldoshev Isroil and Kodirov Sherali "STUDY OF SOLAR RADIATION AND WIND CHARACTERISTICS IN VARIOUS REGIONS OF UZBEKISTAN"

14:45 – 15:00 Valerij Kurir "Blade shape optimization method Francis radial-axial hydraulic turbine"

15:00 – 15:15 Hashim Al-Zuwaini, Sergei Skulkin and Alaa Hlaichi Mohammed "PRACTICAL STUDY ON EMISSIONS AND PERFORMANCE OF A 4 - STROKE IC ENGINE OPERATING ON GARBAGE GASES"

15:15 – 15:30 Saitov Elyor "Optimal model for additional operation of the storage system for photovoltaic wind power plants"

15:30 – 15:45 Andrey Zhinov, Denis Shevelev and Evgeny Lipihin "MicroCHP Based on the Brayton Microturbine with the Changed Order of Processes for energy supply individual houses, townhouses, small office and warehouses"

15:45 – 16:00 Nadezhda Buryanina, Yurii Korolyuk, Konstantin Suslov, Elena Lesnykh and Evdokiia Maleeva "Algorithm for eliminating "noise" when measuring voltages and currents to determine damage in power systems"

16:00 – 16:15 Elena Tumaeva, Stanislav Kuzin, Ildar Aflyatunov and Tatyana Makuseva "Solution of the problem of optimum power distribution of individual compensating devices for a group of asynchronous motors for a stable operating mode and for a smoothly changing load"

16:15 – 16:30 Priyanka Singh, Umaid Faraz Ahmad and Siddharth Yadav "Structural Health Monitoring and Damage Detection through Machine Learning approaches"

16:30 – 16:45 KLARA GABDRAKHMANOVA, GULNARA IZMAYLOVA, ELDAR SAMIGULLIN AND RISHAT GILMANOV "ROBABILITY-STATISTICAL MODELS TO FORECAST HYDRAULIC FACTURING EFFICIENCY"

16:45 – 17:00 Remir Solnitsev Solnitsev and Gennady Korshunov "Cyber-physical control systems for emissions reduction technologies in energy and industry"

17:00 – 17:15 Anatoliy Ovodenko, Yan Ivakin, Elena Frolova and Maria Smirnova "Qualimetric model for assessing the impact of the level of development of corporate information systems on the quality of aerospace instrumentation"

17:15 – 17:30 Elena Volkova, Daniil Solovyev and Natalia Zhuravleva "Smart technology implementation for road traffic management"

17:30 – 17:45 Iliia Gulyi "Economic assessment of the implementation of distributed data registry platforms in multimodal transport"