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3rd World Congress on

# Wind & Renewable Energy

**June 24-25, 2019 | Barcelona,Spain**



## SCIENTIFIC PROGRAM

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3rd World Congress on

# Wind & Renewable Energy

JUNE 24-25, 2019 BARCELONA, SPAIN

# AGENDA

**Title:** Deep online analysis of dielectric parameters for lubricants with an innovative oil sensor system: Identification of critical operation conditions of industrial gearboxes for reduction of failure rates and live time enhancement

**Prof. Dr. Manfred Mauntz**
cmc Instruments GmbH,
Germany

Prof. Dr.-Ing. Manfred Mauntz received his diploma in Engineering from the University of Kaiserslautern in 1982, earned a doctorate with honors in Engineering from the University of Siegen and is a Professor at the Szent Istvan University (Faculty of Mechanical Engineering) in Hungary. He has worked extensively in the analytical and process instrumentation industry. At AEG AG, Germany he was Head of the Department protection and control. He is the founder, CEO and Head of Development and Research of cmc Instruments GmbH which develops and manufactures analytical and measurement systems.

## Title: A Duel-standard System of Landscape Visual Impact Threshold

**Jinjin Guan**
Geography Institute, Ruhr
University Bochum, Germany

Ms. Jinjin Guan is a Ph.D student from Geography Institute of Ruhr University Bochum in Germany. Her research program is "On-shore Wind Farm Planning and Landscape Protection", which aims to research the evaluation method for landscape visual impact in wind farm planning. She has set up a quantitative, modular evaluation model based on visual perception theories and landscape planning knowledge. This evaluation model can evaluate the landscape visual impact and provide scientific, quantitative guideline for decision-making in wind farm planning. She has landscape planning working experiences in Tongji Urban Planning and Research Institute in Shanghai before Ph. D program.

**Title: Major Sources of Renewable Energy like Wind is the major industry for reducing financial crises, global poverty and hunger in the developing countries of the world, like South Asia particularly in Pakistan**

**Mr. Muhammad Usman**

Former Director General of
Agricultural Research System,
Govt. of Pakistan

Mr. Muhammad Usman, Former Director General of Agricultural Research System, Government of Pakistan who retired from service after a spotless career of about 35 years with senior level experience on research and development of integrated agricultural production particularly Computer Graphics on a sustainable way.

Mr. Usman is basically an agricultural scientist with specialization of agricultural, plant science and biochemistry working on the yield and quality of various products and published several research papers.

SPEAKER SLOTS AVAILABLE

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# Biography

**Title: COMBAT THE GLOBAL WARMING BY GENERATING RENEWABLE SOURCES OF ENERGY**

**P. N. DARDE**
Professor (Civil)/HOD (Civil)
Jaipur National University
India

P. N. Darde has completed graduation in Engineering, B.Tech. (Civil), after graduation he completed M. Tech., from I I T Delhi and Ph.D. (Hydraulics) from Delhi University (INDIA). He is the member of several technical organizations. He has total 50 years of experience in various fields. 26 years in teaching, research, and guiding PG students, 24 years in Design, Planning and Execution of various projects in India and Abroad including 6 years in Ethiopia. He was consultant also. He worked for 12 years in Delhi Technical University Delhi (previously DCE Delhi), Six years in Ethiopia.

**Title: Experimental Investigation on Tar Removed from Cleaning Systems of Downdraft Biomass Gratifier with Co-gasification**

**Muhammad Awais**
Research Centre of Fluid Machinery Engineering and Technology, Jiangsu University, China

Muhammad Awais has completed his M.Sc. (Hon's) at the age of 24 years from university of agricultural Faisalabad. Pakistan. Now I am currently doing my PhD studies from research Centre of fluid machinery engineering and technology, Jiangsu University, Zhenjiang China.

**Title: Rankine Cycle Movil Laboratory Of 500 Kw For Geothermal Fields Power Testing.**

**Alejandro Zaleta-Aguilar**
Department of Mechanical Engineering, University of Guanajuato, Guanajuato, Mexico

Alejandro is B.S. degrees in Mechanical Engineering from the University of Guanajuato, Salamanca, Mexico, in 1992, and Ph.D. in Mechanical Engineering from University of Zaragoza in 1997. He is presently an Faculty Professor of Mechanical Engineering at the University of Guanajuato, Mexico. His research interests include applied thermodynamics, advanced energy systems, gas turbine, combined cycles, biomass gasification, solar heating storage systems, and thermo economics. Have more than 29 years of experience in power systems and fuel impact analysis.

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## Title: Small-scale wind pump design for use in rural areas in Sudan

**Ashraf A. M. Abdelrahim**
Engineering Department,
Parthenope University of
Naples, Naples, Italy

Ashraf Abdel Rahim is a doctoral student on Energy Science and Engineering program at University of Naples Parthenope. He majored in Mechanical Engineering, and received a MSc in Energy Engineering from the University of Khartoum in 2012. His research interests include energy management, simulation and modeling, energy planning, and transition to sustainable energy systems, as well as energy efficient buildings and industry. Ashraf is involved in Parthenope's Laboratory of Thermo-fluid dynamics, Energy, and HVAC systems (LaTEC). Ashraf's doctoral study has been funded by National Research Council (CNR), the largest research council in Italy.

## Title: Digital twins powered by hybrid models: The swan song

**Prof. Diego Galar**

Professor at Lulea University of Technology Head of Maintenance & Reliability, Tecnalia

Dr. Diego Galar is Professor of Condition Monitoring in the Division of Operation and Maintenance Engineering at LTU, Luleå University of Technology where he is coordinating several H2020 projects related to different aspects of cyber physical systems, Industry 4.0, IoT or industrial Big Data. He was also involved in the SKF UTC centre located in Lulea focused on SMART bearings and also actively involved in national projects with the Swedish industry or funded by Swedish national agencies like Vinnova. He has been involved in the raw materials business of Scandinavia, especially with mining and oil&gas for Sweden and Norway respectively. Indeed, LKAB, Boliden or STATOIL have been partners or funders of projects in the CBM field for specific equipment like loaders, dumpers, rotating equipment, linear assets etc…

## Title: DESIGN AND ANALYSIS OF A DUAL PURPOSE POWER INVERTER

**Mahdi Hamza Abdullahi**
Department Of
Electrical/Electronic
Engineering Technology,
Federal Polytechnic Bauchi,
Nigeria.

Mahdi Hamza Abdullah, currently an academic staff in the department of Electrical/Electronic Engineering Technology, Federal Polytechnic Bauchi Nigeria was born on the 10th January, 1983, an indigene of Gumbo state, Nigeria. Mahdi has completed his Post graduate diploma [PGD] in Electrical Electronic Engineering (2017), courtesy of Abu-Bakr Tafawa Balewa University Bauchi, and currently undergoing a master's degree in same field and same university. He has published several energy related journals and has been serving as a consultant in solar energy

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**Title: Techno Economic Assessment of Wind / Photo Voltaic and Conventional Generator Hybrid Off-Grid Power Systems for Rural Community in Meta Robi District**

**B. Koteswararao** ,

Department of Mechanical Engineering, Maddawalabu university, Bale Robe, Ethiopia

Electrification to rural areas, those with no electric access or detached from national grid is one of the furthermost exciting issues in emerging countries similar Ethiopia. The intension of this research is to obtain an optimal suited configuration of hybrid electricity generation system using various renewable energy sources to meet the village load requirement reliably, economically, endlessly and sustainably. Hybrid system consists of sun energy, wind power and conventional electric generator. The analysis done in the year 2017-18 at Deleta village in Meta Robi district, Oromia region, Ethiopia for hybrid electrification. The required solar potential values and wind speed statistics taken from NASA

## Title: The optimized PV-UPFC Hybrid network for power

**Dr. Wassila Issaadia**

Electrical Engineering Laboratory, Faculty of Technology, University of Bejaia, Algeria

Combining active filters and renewable sources, in particular photovoltaic systems, allows us to take advantage of power enhancers in delivering high quality pollution free power to consumers. Due to the numerous applications of the solar system, the present study has taken into consideration a different type of its applications, so that by combining UPQC and PV systems in areas nearby loads, which have high potential of radiation, one can improve the quality of electrical energy delivered to consumers.

## Title: Environmental Aspects Of Small Hydro Power Stations

**Dr. Satyendra Mittal,**

Assoc. Professor, Civil Engg. Department, IIT Roorkee, India

The need to exploit small hydro sources is becoming popular in the developing as well as developed countries. Small hydro development has been taking place steadily. since a very long time, where encouraging factors existed. This development has mostly taken place in remote mountainous areas to meet the local energy demand and also in plains through development of canal drops wherever found attractive. To

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## Title: Evaluation of Hybrid Renewable Power System in Egor

**Anene Ifeanyi Stone**

University of Benin, Benin City, Edo State; AC Electrical Company, Benin City - Nigeria

ANENE Ifeanyi Stone is a part-time student of the Physics department, University of Benin, Edo state; and an employee of AC Electrical Company, Uwelu, Benin city, Edo state, Nigeria. He is the project engineer of AC Electrical/Electronic Company, managing several electrical projects including wiring installations, maintenance and repairs of electrical generating sets, inverter and solar panels installation. ANENE Ifeanyi Stone has acquired and achieved the following skills through continuous practice: engineering safety, troubleshooting, understanding and interpreting basic electrical diagrams, and house earthing and analytical skills respectively. His job description has exposed him to a number of technical opportunities which has helped him establish a path for his career.

**Title:** Large-scale wind power local consumption based on energy-intensive loads

**Dr. Yuanzhang Sun**

School of Electrical Engineering and Automation, Wuhan University, China

Dr.Yuan zhang Sun received the Ph.D. degree in electrical engineering from Tsinghua University, Beijing, China, in 1988. Currently, he is a Professor of the School of Electrical Engineering and Automation at Wuhan University, and a Chair Professor of the Department of Electrical Engineering and Vice Director of the State Key Lab of Power System Control and Simulation at Tsinghua University.

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