

**11<sup>th</sup> WORLD  
PETROCOAL  
CONGRESS**  
**INTERNATIONAL CONFERENCE**  
Petroleum-Coal-Gas: Innovation and Technology  
for a Green Energy Transition  
[www.worldpetrocoal.in](http://www.worldpetrocoal.in)



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**WORLD FUTURE FUEL  
SUMMIT & EXPO**  
International Conference & Exhibition on Future Fuel  
**Sustainable Future Fuel for  
Global Climate Change Challenges**  
[www.worldfuturefuelsummit.in](http://www.worldfuturefuelsummit.in)

**16-17 February 2021  
Virtual Forum**

## FIRST DAY — Tuesday, 16<sup>th</sup> February 2021

08h30 – 09h30 Login Registrations

10h00 – 11h00 **Inaugural Session**

*in Hall-A & Hall-B*

Welcome Address

**Dr. V. K. Garg**, Former Chairman, Joint Electricity Regulatory Commission & CMD, Power Finance Corporation

Theme Address by

**Mr. Anil Razdan**, Chairman, Energy And Environment Foundation  
Former Secretary Power, Government of India

Guest-of-Honour Address by

**Mr. Tarun Kapoor**, Secretary, Ministry of Petroleum and Natural Gas, Government of India  
**Dr. Anil Kumar Jain**, Secretary, Ministry of Coal, Government of India

Award Presentation

**Energy And Environment Foundation Global Excellence Award 2021  
in Petroleum, Coal, Gas & Bio Sectors**

Inaugural Address

**Hon'ble Mr. Dharmendra Pradhan**  
Union Minister of Petroleum and Natural Gas & Steel  
Government of India

Vote of Thanks by

**Dr. Anil K Garg**, President, World PetroCoal Congress 2021 & World Future Fuel Summit 2021

11h00 onwards **Display of e-Poster Papers**

11h00 – 11h30 *Networking & Tea / Coffee*

11h30 – 13h30 **Plenary Session-I**  
**“Digital Transformation in Hydrocarbon Sector”**

*in Hall-A*

Chair

**Mr. Anil Razdan**, Former Secretary Power, Government of India  
Chairman, Energy And Environment Foundation

Key Speaker

**Mr. Nobuo Tanaka**, Special Advisor, The Sasakawa Peace Foundation  
Former Executive Director, International Energy Agency, **Japan**

**Mr. Manish Chawla**, Global MD, Chemical & Petroleum / Industrial Products  
Member of IBM Industry Academy, IBM Corporation, **USA**

**Dr. Iman Nasserri**, Managing Director, Middle East, FGE, **UK**

**Ms. Titiksha Mukherjee**, Director Sales & Head of site, Oil & Gas India, TietoEVRY

**Dr. C. Laxma Reddy**, Additional Director General (Exploration), Directorate General of Hydrocarbons (DGH)

**Dr. R. K. Vij**, Director, School of Petroleum Technology, Pandit Deendayal Petroleum University

**Mr. Shashank Tomar**, Head of Technology, Tex-Isle Supply, **USA**

**Mr. Sastry Malladi**, Co-Founder & Chief Technology Officer, FogHorn, **USA**

**Plenary Session-II**  
**“Ethanol : Fuel of the Future”**

*in Hall-B*

Chair

**Dr. SSV Ramakumar**, Director (R&D), Indian Oil Corporation Limited

Key Speaker

**H.E. Mr. André Aranha Corrêa do Lago**, Ambassador of the Brazil, Embassy of Brazil

**Ms. Kristy Moore**, Principal, KMoore Consulting, **USA**

**Ms. Alejandra Danielson Castillo**, Regional Director for South Asia, U.S. Grains Council, **USA**

**Mr. PK Banerjee**, Executive Director, Technical Regulations, Society of Indian Automobile Manufacturers

**Mr. S. Suresh**, Managing Director, EID Parry (India) Limited and  
Managing Director, Parry Sugars Refinery India Private Limited

**Mr. Harald Sigl**, Corporate Communication & Public Affairs, Muenzer Bharat Pvt. Ltd.

**Mr. Milind Patke**, Executive Director (Biofuels), Bharat Petroleum Corporation Limited

**Dr. Andrew Duguid**, Vice President, Advanced Resources International, Inc., **USA**

**Dr. Richard Sayre**, Senior Research Scientist, Los Alamos National Laboratory and New Mexico Consortium, **USA**

13h30 – 14h00 *Power Connect Lunch*

14h00 – 15h30 **Plenary Session-III**  
**“Greening of Coal: Towards Zero Carbon Emission”**

*in Hall-A*

Chair

**Mr. S. K. Srivastava**, Former Secretary Coal, Government of India

Key Speaker

**Mr. Partha S. Bhattacharyya**, Former Chairman, Coal India Limited

**Dr. Andrew Minchener OBE**, General Manager, IEA Clean Coal Centre, **UK**

**Mr. V. K. Arora**, Chief Mentor, Karam Chand Thapar & Bros (Coal Sales) Ltd.

**Mr. Martin Abbott**, CEO, Global Coal, **UK**

**Ms. Vibhuti Garg**, Senior Energy Economist, Institute for Energy Economics and Financial Analysis

**Mr. Rajesh Nath**, Managing Director, VDMA India

**Plenary Session-IV**  
**“Aviation Biofuels for Sustainable Future”**

*in Hall-B*

Chair

**Mr. Amber Dubey**, Joint Secretary, Ministry of Civil Aviation, Government of India

Key Speaker

**Dr. Anjan Ray**, Director-Council of Scientific & Industrial Research, Indian Institute of Petroleum

**Col. Rohit Dev (Retd)**, Chief Operating Officer, Punjab Renewable Energy Systems Private Ltd.

**Ms. Gillian Harrison**, Chief Executive Officer, WhiteFox Technologies, **UK**

**Mr. Sean Newsum**, Director, Environmental Strategy, Boeing, **USA**

**Capt. A. Shrivastava**, Project Director, DTE of Indigenisation, O/o the ACAS (MP), Air Headquarter

15h30 – 16h00 *Networking & Tea / Coffee*

16h00 – 17h30 **Plenary Session-V**  
*“Natural Gas: Fueling the Future”*

*in Hall-A*

Chair

**Dr. A. K. Balyan**, Former MD & CEO, Petrolent LNG Limited

Key Speaker

**Dr. James Watson**, Secretary General, Eurogas, **Belgium**

**Dr. Anand Gupta**, Additional Director General (Development), Directorate General of Hydrocarbons (DGH)

**Mr. Kimball Chen**, Chairman, The Global LPG Partnership, **USA**

**Mr. Patrick DUGAS**, Vice President LNG Trading, Total Gas & Power Limited, **Switzerland**

**Mr. Deepesh Nanda**, CEO, GE Gas Power, South Asia

**Mr. Hazli Sham Kassim**, President, Malaysian Gas Association (MGA)

Regional Coordinator, International Gas Union (IGU), **Malaysia**

**Mr. Anish De**, National Head - Energy Natural Resources & Chemicals, KPMG India

**Plenary Session-VI**

*in Hall-B*

*“Green Hydrogen: Zero Emission Fuel for Mobility”*

Chair

**Mr. Anil Razdan**, Chairman, Energy And Environment Foundation  
Former Secretary Power, Government of India

Key Speaker

**Dr. R. K. Malhotra**, Director General, Federation of Indian Petroleum Industry

**Prof. Nigel Brandon**, Chair, Sustainable Development-Energy, Imperial College London, **UK**

**Professor Makoto HARADA**, National Institute of Advanced Industrial Science and Technology (AIST)  
Research Adviser, TOKAI University Research Associate, **Japan**

**Mr. Christian Pho Duc**, Managing Director H2 Projects, Smartenergy Invest AG, **Switzerland**

**Dr. K. K. Pant**, Professor & Head, Department of Chemical Engineering, IIT Delhi  
Adjunct Professor, University of Saskatchewan, Canada

**Mr. Alan Kneisz**, Business Development Director, Cummins-Hydrogenics Corporation, **Germany**

**Prof. Dr. ir. Joris Proost**, Division of Materials and Process Engineering  
Université catholique de Louvain (UCLouvain), **Belgium**

**Mr. Edgare Kerkwijk**, Board Member, Asia-Pacific Hydrogen Association, **Singapore**

17h30 – 18h00 *Networking Tea / Coffee*

**Plenary Session-VII**

*in Hall-B*

*“Hydrogen: Potential and Future”*

Chair

**Dr. V. K. Garg**, Former Chairman, Joint Electricity Regulatory Commission & CMD, Power Finance Corporation

Key Speaker

**Dr. John W. Sheffield**, Professor of Engineering Technology, Purdue University, **USA**

**Dr. Mohamed Moussa Omran**, Executive Chairman

Egyptian Electric Utility and Consumer Protection Regulatory Agency, **Egypt**

**Dr. Gokce Mete**, Research Fellow, Stockholm Environment Institute, **Sweden**

**Mr. Roy Segev**, Business Development Director, Ballard Power Systems, **Canada**

**Dr. S. Dasappa**, Centre for Sustainable Technologies, Indian Institute of Science Bangalore

**Dr. G. D. Yadav**, Professor, Institute of Chemical Technology, Mumbai

09h30 – 11h00 **Keynote Session-VIII** *in Hall-A*  
**“LNG for a Green Energy Transition”**

Chair

**Dr. B. S. Negi**, Former Member, Petroleum and Natural Gas Regulatory Board

Key Speaker

**Mr. Sunil Kumar Srivastava**, Senior Consultant, Oil & Gas, Former CMD, Oil India Ltd.

**Mr. Michael Smith**, Chairman, CEO & Founder, Freeport LNG, **USA**

**Ms. Jillian Evanko**, President & CEO, Chart Industries Inc, **USA**

**Mr. Mangesh Patankar**, Director, Gas and LNG Consulting, Wood Mackenzie, **Singapore**

**Mr. Vivek Chandra**, CEO, Texas LNG, **USA**

**Mr. Anil Joshi**, President, GSPC LNG Limited

**Keynote Session-IX** *in Hall-B*  
**“Biogas for Mobility”**

Chair

**Dr. Jennifer Holmgren**, CEO, Lanza Tech, **USA**

Key Speaker

**Mr. Subodh Kumar**, Advisor & Former Executive Director, Indian Oil Corporation Limited

**Mr. Mike McCudy**, Managing Director-Energy Advisory, ICF International Inc, **USA**

**Mr. David Sudolsky**, President & CEO, Anellotech, Inc., **USA**

**Dr. Rimika Kapoor**, Center for Rural Development and Technology, IIT, Delhi

**Dr. Animesh Dutta**, Director, Bio-Renewable Innovation Lab, University of Guelph, **Canada**

11h00 – 11h30 *Networking & Tea / Coffee*

11h30 – 13h00 **The EEF Global Award 2021 Ceremony** *in Hall-A & Hall-B*

Welcome Address by

**Dr. V. K. Garg**, Former CMD, Power Finance Corporation Limited

Special Address by

**Mr. Anil Razdan**, Former Secretary Power, Govt. of India &  
Chairman, Energy And Environment Foundation

Award Distributions Ceremony

**The Energy And Environment Foundation “Global Awards 2021”**

**SAFETY | CSR | HR | CLEANINDIA | BIO**

Address by Chief Guest

**Hon’ble Justice Swatanter Kumar (Retd)**

Former Judge Supreme Court of India and Former Chairperson, National Green Tribunal

Vote of Thanks by

**Dr. Anil Garg**, CEO, Energy And Environment Foundation

13h00 – 14h00 *Power Connect Lunch*

14h00 – 15h30 **Keynote Session-X**

*in Hall-A*

**“Coal Gasification and Coal-to-Liquid Conversion”**

Chair

**Mr. V. R. Sharma**, Managing Director, Jindal Steel & Power Limited

Key Speaker

**Mr. Sunil Singhal**, Technical Fellow for Gasification and Syngas, FLUOR

**Mr. Rahuel George**, Country Head, CASE Group

**Mr. N. N. Gautam**, Adviser, ACB India Ltd

**Ms. Vartika Shukla**, Director (Technical), Engineers India Limited

**Mr. T. S. Venkataraman**, CMD, Esvin Advanced Technologies Ltd.

**Dr. Prakash D. Chavan**, Sr. Principal Scientist, Head Gasification, Methanol and Catalysis Research Group  
CSIR-Central Institute of Mining & Fuel Research

**Technical Session-XI**

*in Hall-B*

**“Bioenergy & Biotechnology for Future Fuels”**

Chair

**Mr. Bharadwaj Kumamuru**, Executive Director, World Bioenergy Association, **Sweden**

Key Speaker

**Mr. Michael Köttner**, Vice-President German Biogas and Bioenergy Society, **Germany**

**Mr. Xiaofeng Ye**, Director Bio-refining APAC, Novozymes (China) Investment, **China**

**Dr. Jan Knudsen**, Senior Scientist, Terranol A/s, **Denmark**

**Lt. Col. Suresh Rege (Retd)**, Executive Director, Mailhem Group

**Dr. Yinbo Qu**, Emeritus professor of microbiology, State Key Laboratory of Microbial Technology  
Institute of Microbial Technology, Shandong University, **China**

**Dr.-Ing. Franziska Müller-Langer**, Head of Department Biorefineries, DBFZ

Deutsches Biomasseforschungszentrum gemeinnützige GmbH, **Germany**

15h30 – 16h00 *Networking & Tea / Coffee*

16h00 – 17h30 **Keynote Session-XII**

*in Hall-A*

**“Fossil Fuels: Transition to a Low Carbon Energy System”**

Chair

**Dr. J. S. Sharma**, Member, Ministry of Environment, Forest and Climate Change, Government of India

Key Speaker

**Dr. S. K. Pokhriyal**, Professor and Advisor, University of Petroleum And Energy Studies

**Mr. Karim Badawi**, Vice President & Managing Director, Schlumberger, **Egypt**

**Mr. Velio A Kuuskraa**, President, Advanced Resources International Inc., **USA**

**Mr. Atanu Mukherjee**, Co-Chairman & CEO of Dastur Energy Inc., **USA**

**Dr. Robert B. Weisenmiller**, Former Chair, California Energy Commission, **USA (Video)**

**Mr. Harshit Agarwal**, Deputy Country Sales Manager, Process Licensing, Axens Solutions

**Mr. Tim Patterson**, CEO, Fuel Economy Solution Limited, **UK**

16h00 – 19h00 **Technical Session-XIII**

*in Hall-B*

**“Sustainable Biofuels & Beyond”**

Chair

**Mr. Ramakrishna Y.B.**, Former Chairman-Working Group on Bio Fuels, Ministry of Petroleum & Natural Gas

Key Speaker

**Dr. Lorenzo Maggioni**, Area Ricerca e Sviluppo, CIB-Consorzio Italiano Biogas e Gassificazione, **Italy**

**Mr. Michael Beil**, Gas Cleaning, Upgrading and Grid Injection

Fraunhofer Institute for Energy Economics and Energy System Technology IEE, **Germany**

**Mr. Dickon Posnett**, Director of Corporate Affairs, Argent Energy, **UK**

**Mr. Faizur Rehman**, Head-Bio2X, Fortum India

**Dr. Plinio Nastari**, President, DATAGRO & President, IBIO-Brazilian Institute of Bioenergy and Bioeconomy, **Brazil**

**Prof. Rintu Banerjee**, Head and Professor, Agricultural and Food Engineering Department

Center for Rural Development and Innovative Sustainable Technology

Founder Head, P. K. Sinha Center for Bioenergy and Renewables, IIT Kharagpur

**Dr. Nelli Elizarov**, Adviser for Research and Statistics, German Bioethanol Industry Association, **Germany**

**Mr. Ortwin Costenoble**, Senior Standardization Consultant, NEN, **Netherlands**

**Prof. Dr.-Ing. Peter Pickel**, John Deere Fellow, Manager External Relations, John Deere GmbH & Co. KG  
European Technology Innovation Center, **Germany**

Vote of Thanks by

**Dr. Anil K Garg**, President, World PetroCoal Congress 2021 & World Future Fuel Summit 2021