

EU-INDIA-BCE
CONFERENCE



PROGRESS IN
ADVANCED
BIOFUELS

2 - 4 MARCH 2022
ONLINE

EU-India-BCE Conference on Advanced Biofuels

Progress in Advanced Biofuels

Speakers' bios

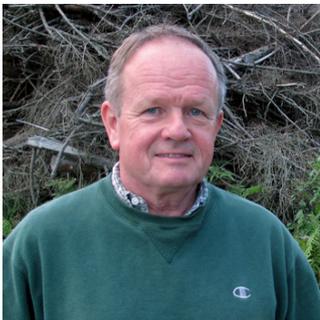


Rajiv Agarwal

Executive Director, EIL

Rajiv Agarwal is working with EIL as Executive Director-Technical with various divisions of Technical directorate like Process Design, R&D, Environment Water & Safety, Sustainability, Speciality Material & Maintenance Services etc under his supervision.

He is a graduate from IIT Roorkee. He has a vast and varied experience in Process Design in areas of Refining, Petrochemicals, Gas processing, Utilities and Offsites. He has led design of mega refining and petrochemical complexes and worked with all Public Sector companies and major global technology licensors on several projects. A team on large bio refinery is also working under his supervision. He is also leading R&D division with focus areas on Green hydrogen / Bio fuels.



Kjell Andersson

Policy director, Svebio

Kjell Andersson, policy director of Svebio, Swedish bioenergy association. Chair of Working group sustainability in Bioenergy Europe.

MA from University of Stockholm and BA from Stockholm College of journalism. Publisher of Bioenergy International and of Bioenergi (Swedish).

Books and reports:

- Bioenergy - the Swedish Experience (Stockholm 2017)
- Co-author of Bioenergy from boreal forests: Swedish Approach to Sustainable Wood Use (IRENA 2019)
- Roadmap Bioenergy - meeting the demand for bioenergy in a fossil free Sweden (2020)



Yvon Bernard

Business Development Manager, Bio & Renewables, Axens
Renewables, Axens

Yvon Bernard is working as a Business Development manager in the field of Bio & Renewables in Axens based in Rueil Malmaison and in charge of developing, promoting the bio-based technologies for the production of biofuels and bio based chemicals.

He started his professional career in the upstream oil and gas Business in Schlumberger in field operation and in charge of developing a new well intervention technology in Middle East region.

He joined Axens in 2014 as a start-up manager where he was in charge of two major refineries start-ups in Thailand and Kazakhstan. After 3 years as a sales Manager for Process Licensing in Asia region, he moved to the Bio renewable group for the business development.

Yvon holds an MSc in General engineering from the engineering school of Arts et Métiers in Lille (France) and a final graduating project made in Kunming (China).



Marco Bonvini

Head of Business Development team, NextChem

Marco Bonvini joined NextChem in Sept 2019, an Italian company born to make Energy Transition and belonging to Maire Tecnimont Group, as Head of Biobased Solutions for Green Chemicals and Fuels. He is the Head of Business Development team – Bio Based Solution, he is a competent professional with overall experience of over 30 years including 15 years' experience in working for large international companies in the Power Sector (i.e. Ansaldo GIE and ABB/Alstom) and several experiences with small/medium companies, mainly focusing on the following activities: Company Reorganization, Debt Restructuring and M&A. In Ansaldo, he learned the technologies, the engineering tools and the on-site practice. In ABB/Alstom, learned how to manage complex contracts for high value sales and large projects with international teams. In Maccaferri Groups worked in several different industrial :Exergy SpA, Sebigas Srl, Redecam Group, STF SpA, Ilmed Impianti Srl. After several experiences with small / medium size companies in Energy / Power Generation / Oil & Gas / Cement sectors he gained expertise in cumulating an extensive view of all problems affecting this kind of organizations and developed the experience to work on the restructuring of internal processes, organization and skills, approach to market to improve the economical performances of the company, debts restructuring. A skilled communicator with exceptional presentation skills and abilities in forging business requirements, leading cross-functional and cross-cultural



David Chiaramonti

Polytechnic of Torino

David Chiaramonti is specialised in Renewable Energies (mainly Bioenergy/Biofuels, wind and small hydro power). He teaches Biomass Energy Conversion Technologies at the University of Florence.

His main scientific interest is on production and use of biofuels, either liquid, gaseous or solid. His research works cover thermochemical biomass conversion processes as well as liquid biofuel production and use. He has published more than 120 scientific papers in these areas, chapters in books and studies, as well as articles in specialised magazines. He is also member of editorial boards of several scientific journals. He is/has been chairman and Member of Scientific Committees of various International Conferences, where is acting as Session or Track Organiser, and member of IEA Task 39 (Liquid Biofuels) and Deputy Chairman of the scientific board of DBFZ (German Biomass Research Center).

He is President of the no-profit research consortium RE-CORD, which manages a specialised chemical lab for renewables and various pilot/demo plants, and researcher at CREAR.

He has been involved as a Project Manager and Scientific Responsible in large number of R&D projects and studies supported by EC as well as co-operation projects (Asian Development Bank, EC, It.Min.for Environment).



Myrsini Chrystou

CRES

Agriculture engineer, MSc, leader of CRES Biomass department. Over 25 years of experience as coordinator and scientific responsible in a range of European and national RTD projects on technical evaluation of several biomass feedstocks in integrated biomass value chains for energy and biorefinery concepts.



Paolo Corvo

BFPartners

Paolo is Partner of BFPartners a Global Advisory in Green Chemistry & Energy Solutions with more than 20 years international experience in the biofuel, biomass and energy sector. After more than 10 years in consultancy, for the last 10 years Paolo has worked in Germany with Clariant first as Head of Business Development and later as Head of Sales&Marketing in the Biofuels and Derivatives division with responsibilities focusing in EMEA, North and South America, India and AsiaPacific. Paolo has developed expertise in bioethanol & biodiesel processing technology projects, renewable chemical, biotechnology, biomass to power, sustainability management and lobbying expertees being a Board representative both in the European Biodiesel and Ethanol associations (EBB&ePure). Paolo holds a Master's Degree in Industrial Engineering from the Politecnico of Milano.



Divyesh Desai

New Fuels-Low Carbon Fuels, Shell

Divyesh Desai is currently working with Low Carbon Fuels and is spearheading the New Fuels business development in Asia. Divyesh has 22 years of work experience in gas commercialisation and worked in entire value chain of gas/LNG value chain. Divyesh has played an instrumental role in setting up the gas/LNG business in India and has successfully lead the marketing business.

Driven by strong result oriented mindset, Divyesh is keen to contribute in the decarbonisation efforts by developing Low Carbon Fuels business portfolio in the region. Divyesh is an engineer & management graduate by qualification.



Tomas Ekblom

IEA Bioenergy & Task 39 Leader

Mr. Ekblom is the Program Director for the Swedish Bioenergy Association and the national biofuel network BioDriv. Tomas is also the Task Leader of IEA Bioenergy TCP Task 39 in biofuels. Tomas has more than 20 years of experience in biofuels and is one of Sweden's foremost experts in biorefineries and biofuels production. The daily work is in the area on promoting resource-smart and cost-efficient biofuels.



Uwe Fritsche

Scientific Director, IINAS

Uwe R. Fritsche, born 1958, studied applied physics at the Technical University of Darmstadt (Germany), and worked from 1984-2012 as a scientist at Öko-Institut, heading its Energy & Climate Division in Darmstadt until 2010. Since 2000, he focused on international activities concerning sustainable use of biomass, land, and resources. In 2012, he co-founded the International Institute for Sustainability Analysis and Strategy (IINAS) and works there as Scientific Director.

His expertise is in international sustainability governance & metrics, sustainable bioenergy, bioeconomy and global land use, and life-cycle and material-flow analysis of energy, material and transport systems.

He works mainly on EU and international levels, is Task Leader for IEA Bioenergy Task 40 and Co-Leader of Task 45, works with the GBEP Task Force on Sustainability, and acts as technical expert to the EC JRC, FAO, IEA, UNEP and UNIDO, among others.



Paolo Frankl

Head of the renewable energy division, IEA

Paolo Frankl is the Head of the Renewable Energy Division (RED) at the International Energy Agency (IEA), which he joined in summer 2007. In this role Paolo Frankl coordinates the Division's activities, encompassing the status and progress of renewable energy technologies; renewable energy policies and markets; and system-integration issues. A physicist by training, Paolo Frankl holds a Ph.D in energy and environmental technologies from the University of Rome. Previous positions held were in academia and in private Italian consultancy firms researching renewable energy, life cycle assessment and eco-labeling.

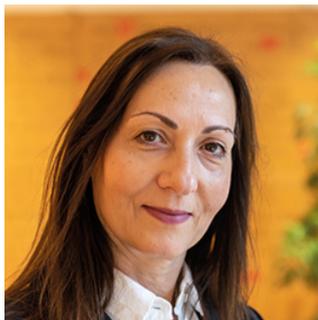


Hernane Genu Neto

New Business Development Manager for E2G and Energy Transition, Raizen

Hernane is Raizen's New Business Development Manager for E2G and Energy Transition.

Industrial Engineer by education and holding a MBA degree from Insper, Hernane's career has been built over biofuels trading and logistics, delivering decarbonization solution for multiple geographies and various applications such as biofuels, bioplastics, bio-chemicals.



Maria Georgiadou

Senior Expert - Renewable Energy R&I Policy, European Commission, DG Research and Innovation

Dr Maria Georgiadou works in the Directorate General for Research and Innovation since 2003. She heads the strategic orientation for research and innovation in Renewable Fuels, Biofuels and Bioenergy and the development and implementation of relevant programs and policies under the European Union's Framework programs. Maria holds PhD and MSc degrees in Chemical Engineering (UIUC, USA), Master in Business Administration and B.S in Chemical Engineering (AUTH, Greece).



Renato Godinho

Ministry of Foreign Affairs of Brazil Renewables, Axens

Journalist and communicator by graduation, and with a master's degree in international diplomacy from Rio Branco Institute (2005), Renato Domith Godinho moved in 2003 from technological and scientific journalism to career diplomacy at the Ministry of Foreign Affairs in Brazil. In that capacity, he has served in Brazil and abroad, especially focusing in multilateral governance, negotiation, and process management. As Alternate Permanent Representative of Brazil to the United Nations Organization for Food and Agriculture (FAO), he has been from 2009-2012 a leading actor in the reform of the UN Committee of World Food Security (CFS), which resulted in higher impact outcomes and much stronger coordination with the private sector, academia, international organizations and civil society. Since 2015, he has been in charge of the Division for Energy Progress (DEN) in the Ministry of Foreign Affairs, dealing with international policy dialogue and cooperation for all forms of renewable energy, including hydropower, wind, solar and bioenergy, the last of which being a particular area of attention, suiting Brazil's strong position in this sector. Since the launch, in COP22, in Marrakesh, of the Biofuture Platform, a 20-country coalition to promote advanced low carbon solutions for transport and industry, Renato has led the operational team responsible for its coordination/secretariat roles. With the transfer of the Facilitator role of the Biofuture Platform to the International Energy Agency (IEA) in 2019, Renato D. Godinho was appointed by the member countries as the Biofuture Platform's first Chairperson, for a term of two years, passing on the role to Dr. Jim Spaeth, United States Department of Energy, in June 2021.



Preeti Jain

Director (Business Development & Gov. Relations), LanzaTech Renewables, Axens

Dr. Preeti Jain, is Director (Business Development & Government Relations) at LanzaTech, a company leading the way to promote technologies aimed to reduce industry's carbon footprint by utilizing recycled carbon for road and air transport.

A Scientist by training (PhD; Chemistry) and MBA from Asian Institute of Management, Philippines, she has about 2 decades of global multi-sectoral experience across refining & petrochemicals, renewables (Biofuels), R&D, International Advisory to achieve a structured impact across business.

A passionate advocate for science-based policies, Dr. Jain represents in Governing Council Member of CBEI, Member of the MoPNG Task Force for developing a Sustainable Aviation Fuels Roadmap in India and represent on various national and regional committees with leading industry forums (CII, AMCHAM, USISPF, ICC) on Bioenergy.



Tarun Kapoor

Chairman, Energy Transition Advisory Committee

Mr. Tarun Kapoor Chairman, Energy Transition Advisory Committee.

Before taking over as Chairman, ETAC, Mr Tarun Kapoor was Secretary to the Government of India in the Ministry of Petroleum and Natural Gas. He was a member of the Indian Administrative Service with over 34 years experience at the State and National levels. He is an Electrical Engineer with Masters in Business Administration. His areas of specialization are Solar Energy and Hydro Power.

Before taking over as Secretary, Ministry of Petroleum and Natural Gas, Mr Kapoor was posted as Vice Chairman, DDA. He has worked as Additional Chief Secretary in the State of Himachal Pradesh looking after various Departments from time to time like Power, Environment & Forests, Food and Civil Supplies, Excise, PWD etc. He has also worked as District Magistrate for Shimla and Chamba Districts and has also worked as Managing Director of Himachal Pradesh Power Corporation Ltd. and Himachal Pradesh Transmission Ltd. He has also worked as Joint Secretary in the Ministry of New and Renewable Energy, Government of India looking after National Solar Mission for over five years.

He also participated in the International Conferences and Seminars mainly in the area of Renewable Energy.



G S Krishan

Novozymes

Experienced thought-leader in the Industrial Bio-tech Segment propagating Sustainable solutions across the SAARC countries with Global market exposure. In-depth knowledge and vast experience in overall Strategy and General Management capabilities in a multinational environment, with a total tenure spanning more than 35 years. After a 27year tenure at a Danish Biotech company, Novozymes South Asia Pvt. Ltd, majority of the role as Managing Director and Regional President, is now engaged as Independent Director, Advisor/Consultant, and Leadership Mentor across the Industrial segments.

Worked closely with external stakeholders and decision makers in the Regulatory and new Business development areas, playing a thought leadership role. Member of various Industry bodies, contributing towards policy advocacy and propagating on the importance of Biotechnological solutions as a viable alternative to protect the environment. Projected on the opportunity in developing the Food, Bio Ag and Bio energy business in India, creating more job opportunities and rural development.

Ashish Kumar

Managing Director, VERBIO India Pvt Ltd.



Managing Director, VERBIO India Pvt. Ltd., India

- Policy development/alignment with Central/State Government
- Commercial/Technical negotiations and contracting of end-product offtake
- Plant build-up and Production readiness
- Agri-residue feedstock supply chain, process and quality control build-up
- Plant procurement localization and Gas logistics build-up
- Strategic co-operations, Business planning, and Financing evaluation for Expansion

Past experience

- Partner, EAC – Euro Asia Consulting PartG, Germany
- Strategy Consulting for German (DACH) Mittelstand for India/ SEA (South East Asia) and MEAST (Middle East)
- Strategy consulting / M&A / Performance Improvement
- Ex-Indian Navy Officer
- Military R&D / Design and Development of Command and Control (C&C) Systems for Submarines and Naval Aviation

Academic Qualifications:

- Master of Business Administration (MBA), HHL-Leipzig Graduate School of Management-Germany
- Master of Science (MS), BITS Pilani India
- Bachelor of Engineering (BE), Nagpur University India



Ashok Kumar

Principal Scientist & Product Placement Lead , ICRISAT

Dr Ashok Kumar Are is a senior geneticist & plant breeder at ICRISAT with 22 years of experience who strategically designed and developed innovative processes, tools, and products resulting in over 100 sorghum cultivars released through partners in >15 countries including the first biofortified sorghum variety. As product placement lead, he plays key role in implementing data-driven breeding for increasing the rate of genetic gain and varietal replacement in farmers' fields, for all ICRISAT crops. He developed energy-dense sweet sorghums and high biomass sorghums for first (1G) and second generation (2G) biofuel production and commercialized. He is an international consultant to the Food and Agricultural Organization (FAO) and International Atomic Energy Agency (IAEA) of UN.



Subodh Kumar

Former Executive Director, Indian Oil Corporation Limited

Mr Subodh Kumar has retired as Executive Director (Petrochemicals, Alternate Energy and Sustainable Development), Indian Oil Corporation Limited in June 2020. He has more than 37 years of experience of petroleum products, plastics, ethanol, biodiesel, CBG, solar, wind, nuclear power, storage batteries, Post retirement he is actively involved in multiple sustainability initiatives as Board member, mentor, advisor and consultant across clean energy, biofuels, agriculture, water, waste to energy, green hydrogen, EVs, storage batteries and plastic recycling. He conceived and launched the SATAT program with Ministry of Petroleum to promote production and use of Compressed Bio Gas (CBG) in India. He has significant experience and involvement in policy making for the Biofuel sector at central Government level and is recognized expert in bio-fuels and green initiatives by the various Ministries of Government of India.



Pramod Kumbhar

Chief Technology Officer, Praj Industries, matrix-R&D Center

Pramod Kumbhar, Ph.D.

- Working with Praj Industries, as President and Chief Technology Officer of Praj-matrix-R&D Center.
- After working for 20+ years in petrochemical industry made a shift to biotechnology led renewable fuels and chemicals industry.
- Focused on driving innovations in industrial biotechnology to make biofuels and bio chemicals.
- Ph.D. in Chemical Engineering from Institute of Chemical Technology (formerly UDCT), Mumbai.
- Post-doctoral stints at CNRS laboratories in Montpellier and Institute of Catalysis, Lyon in France.
- Fellow of Maharashtra academy of sciences
- UAA-ICT Distinguished alumnus award (Research) for 2020 from UDCT Alumni Association and Institute of Chemical Technology, .Mumbai
- VASVIK Award for 2020 in Chemical Science and Technology.
- ICI process development award from Indian Institute of Chemical Engineers.
- Worked at General Electric R&D Centre in Bangalore and SI Group (formerly Schenectady chemicals, USA) in various positions including last assignment as R&D director for Asia Pacific.
- 30+ International patents
- Received Bronze and silver medals from GE for patent filings.
- More than 25+ publications in peer reviewed scientific journals



Ingvar Landälv

Fuels & Energy Consulting

Ingvar Landälv has more than 45 years' experience in gasification technology-based process plants. Initially he spent about 20 years working on managing projects in the international oil and coal industry. During about 15 years he served as CTO of Chemrec AB, a company developing gasification technology and projects for the pulp and paper industry, primarily for producing renewable fuels from the black liquor generated in the wood pulping process. One plant e.g. produced bioDME which was used to fuel 10 HD VOLVO trucks which then run more than 1.5 million km in commercial service. He has since its start been engaged in the European Biofuels Technology Platform (today ETIP Bioenergy) and which he also chaired 2016 to 2018. He has also been involved in other EU, IEA Bioenergy and IRENA related activities in the biofuels area and lately summarized its status in a couple of well-recognized reports.



Kyriakos Maniatis

Europe Chair, Former European Commission, DG ENER

Kyriakos Maniatis, PhD. worked under various functions in the Directorate General for Energy of the European Commission (DG ENER) from 1988 up to his retirement in April 2020. Kyriakos managed the DG ENER demonstration component under the various Framework Programs of the Commission specialising in advanced biofuels in the 7th Framework Programme and Horizon 2020. He regularly contributed to the legislative actions of the Commission regarding bioenergy and to the European Technology Innovation Platform - Bioenergy of the EU Strategic Energy Technology Plan. Kyriakos led the Commission's standardisation initiatives for liquid and gaseous biofuels as well as algae with CEN. In this role Kyriakos undertook several initiatives in close coordination with the industry for the market deployment of advanced biofuels, including setting up the European Biofuels FlightPath in Aviation in 2011 and the Alternative Renewable Transport Fuels Forum (ART Fuels Forum) in 2017.



Ravneet Mann

Vice President, Invest India

Ravneet Mann is currently a Vice President at Invest India with 14 years of experience in market entry and business expansion strategy.

In her role as VP, Ravneet is leading investment promotion and facilitation into the Consumer Goods, Leather&Footwear, Metals&Mining, Oil &Gas and Auto industry in India.

Ravneet has led multiple public-private engagements at global platforms as a part of the outreach strategy to highlight investment opportunities and drive FDI into India. Additionally, she has also worked in close capacity with the Office of the Prime Minister of India and with senior officials from Federal Ministries and State Governments to work on policy and develop an investor outreach strategy.

Ravneet has had a professional career of over 12 years, starting with Merrill Lynch and then moving on to Strategy Consulting at a boutique Consultancy from New York.

Ravneet has a Bachelor's degree with Honors in Economics from St Stephens College, New Delhi and an MBA from the Indian School of Business in Hyderabad.



Jorge Martinez Gacio

Technology team Manager, Technology & Technical Support Business Division, Axens

Jorge Martinez Gacio is working as Technology team Manager in the field of Bio technologies within the Renewables Product Line of the Technology & Technical Support Business Division in Axens, based in Rueil Malmaison, France.

He is in charge of the development, promotion and commercialization of the bio-based technologies offer in Axens, providing solutions to the industry to better prepare the shift to renewables and overcome the energy transition challenge. He is specialized in the lignocellulosic residues value chain in the field of cellulosic biofuels and biochemicals.

He started his professional career in Technip where he served as Process Engineer in detail engineering projects for the pharmaceutical industry. He joined Axens in 2006 where he first served as Senior Process Engineer and Project Manager in worldwide projects for the refining and petrochemicals industry.

Jorge holds an MSc in Advanced Technology in Petrochemicals, Polymers & Plastics from IFP School (France) and a Chemical Engineering Degree from University of Santiago de Compostela (Spain). He also holds a Chemistry Degree from University of Vigo (Spain).



Ayush Mathur

Chief General Manager (Projects), Engineers India Limited (EIL)

Mr. Ayush Mathur graduated from Thapar Institute of Engg. & Technology in 1990 in BE (Electrical, Honours). He carries 30 years of consultancy experience in Project Management and Engineering in various Projects in Oil & Gas (Petrochemicals and Refineries), Non Ferrous Metallurgy, Pipelines both in domestic and International Projects. At present, he is serving as Project Manager for handling the prestigious India's Largest 2G Ethanol Bamboo based Bio Refinery project being set up in the state of Assam by M/s Assam Bio Refinery Pvt.Ltd.(JV of NRL, Fortum & Chempolis). This project involves niche technology and is part of GoI's Bio Fuel policy to enhance Ethanol blending thus reducing carbon foot print to help India achieve its net zero objective.



Oskar Meijerink

Head of Future Fuels and part of SkyNRG

Oskar Meijerink is the head of Future Fuels and part of SkyNRG since 2016. As such he is responsible for SkyNRG's efforts in SAF research projects as well as the feasibility phase of SAF capacity development projects. In the research projects we work together with partners from across the supply chain to take the next step, e.g. build a pilot or demonstration scale facility. In the feasibility projects we assess the viability of new SAF production capacity projects. Oskar studied Energy Science at Utrecht University and specialized in investments in the SAF industry at Imperial College London



Sharad Mittal

RNG, Low carbon Fuels Asia, Shell

Sharad leads business development for Renewable Natural Gas for Shell in Asia region. He is a strong believer in power of coalitions, and is focusing on building partnerships across the RNG value chain, including feedstock providers, project developers, research institutes, agricultural organizations, T-EPCs, startups etc. He has nearly 20 years' experience in energy industry covering engineering, strategy and business development. Outside of work, Sharad loves spending time with his kids, developing his balcony garden and playing lawn tennis.



Andrew Murfin

New Fuels-Low Carbon Fuels, Shell

With a 30 year history in renewable energy, Andrew Murfin brings unique perspectives gained from delivering new energies in the biofuels, offshore wind, and nuclear power industry. With a passion for change, Andrew has motivated established energy companies to invest in alternative energies across the globe. In Biofuels since 2008, he spent the first 4 years in Ottawa leading development of second generation ethanol, which is now being successfully implemented in Brazil by Raizen. Andrew has led Shell's Advanced Biofuels investments since 2013. Committed to seeing delivery, Andrew is currently a Director in Varennes Carbon Recycling, a waste to fuels project under construction in Quebec. Andrew learned the value of low carbon energy early in his career, establishing a renewable energy business within the UK's nuclear electricity company. Leadership in the offshore wind industry over 10 years led to two offshore wind projects constructed, one of which for many years was the world's largest: London Array. During this time, Andrew also served on the Board of the British Wind Energy Association. A Chartered Engineer with a first degree in electromechanical engineering, Andrew is a Fellow of the Institute of Energy.



Laxmi Narasimhan

Venture Technology Advisor, Low Carbon Fuels, Shell

Laxmi Narasimhan, Chilkoor S holds a PhD in Chemical Engineering from University of Ghent, Belgium. He has done his Masters in Chemical Engineering from IIT Madras and Bachelor's in Chemical Engineering from College of Technology, Osmania University, Hyderabad. He is a Fellow of Royal Society of Chemistry, U.K.

He is currently serving as Venture Technology Advisor for Low Carbon Fuels, Shell Downstream working from Shell Technology Centre, Bangalore and is responsible for owning technology risks in commercial arena and defending the business case for investment from technical angle. He served as IH2® Advocacy Lead at Shell India Markets pvt Limited, General Manager, Centre of Novel Catalytic Materials & Research Director for CRI Biofuels at Shell Technology Centre Bangalore and was managing the R&D and Technical Service activities here. During his tenure in Shell he was instrumental in and contributed significantly to the development and derisking of IH2® Technology, which is a game changing technology to convert waste biomass into drop-in hydrocarbon fuels. He led various technology teams and delivered innovative technologies and helped in their commercialization. He has passion in inspirational R&D leadership. He has over 30 years of Research, Development and Technology applications experience primarily in the area of Refining. Before joining Shell in 2006 he served as Head, Technology Centre for British Oxygen and before that he was Manager, Hydroprocessing R&D at Indian Oil Corporation Limited's Corporate R&D for 17 years.

Laxmi Narasimhan has contributed to setting up of two R&D laboratories in the Energy sector and had carried out several Business improvement programmes during his tenures providing Application specific R&D and Technical services to Hydroprocessing units leading to significant benefits to the industry. He is recipient of Indian Chemicals Manufacturing Award for development of indigenous technology for production of food grade hexane.

He has over 30 patents/ patent applications, 30 publications in high impact factor core Chemical Engineering and chemistry journals and over 70 conference papers. His current interests are in the areas of Catalysis, Microkinetics, technology management, Biofuels conversion and Hydroprocessing.



Som Narayan

Co-founder, Carbon Masters

Som is an Environmental Engineer with a Masters in Carbon Management from University of Edinburgh & Postgraduate Diploma in Environmental law from National Law School of India University. He co-founded Carbon Masters, a climate tech company in 2010 and has successfully combined his engineering and carbon domain expertise to lead the effort in developing the commercial applications.

Carbon Masters launched India's first branded Bio-CNG and Bio-Enriched Organic Manure and have grown their footprint across Bangalore, Telangana and Tamil Nadu.



Mallikarjun Navalgund

Business Development, Praj Industries

By training he is a Chemical Engineer with over 38 years' diverse experience in design, engineering, project management, business development and leading start-ups in the industrial biotech space. He has over twenty years of experience managing multi-national teams across the full life-cycle of international businesses right from the stage of identifying and creating customer value to long term partnerships. Currently he leads Praj's business development efforts in Europe for the Advanced Biofuels and bio-chemicals business.

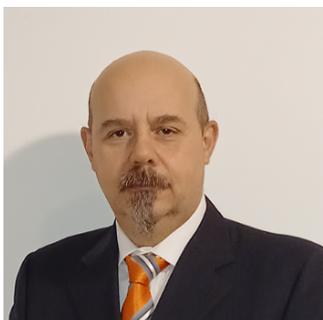


Calliope Panoutsou

Imperial College London, faculty of natural sciences

Calliope Panoutsou is an agricultural engineer and holds a PhD on 'Socioeconomic aspects of bioenergy systems at regional level' from Aston University, UK. She is an expert in biomass for the biobased economy and her research interests focus on supply, logistics & economics of biomass value chains, market & policy analyses as well as sustainability. Through her research she has formed a multi-disciplinary background with skills and knowledge in agriculture, energy, environment, economics, social studies and modelling. She has extensive research and project experience in biomass R&D throughout Europe and has coordinated several EU projects involving multi-disciplinary research. She is also the Chair for biomass availability within the European Technology and Innovation Platform (ETIP bioenergy)

<http://etipbioenergy.eu/>



Pierluigi Picciotti

Licensing Manager Green Chemistry, Versalis

Graduated in Chemical Engineering at the Polytechnic of Milan, Mr. Picciotti holds an MBA from Bocconi School of Management and has an extensive experience in the chemical industry within major international corporations. He has lived in Italy, Germany and Singapore.

Since 2013 he has been working in the green chemistry sector and cellulosic ethanol with special focus on Asia Pacific. He joined Versalis in 2018 and is currently Licensing Manager Green Chemistry looking after the global commercial licensing of Versalis 'proprietary technology for cellulosic sugars and ethanol.

He has been speaker at several international conferences on biofuels in Malaysia, Thailand, India, Australia, Japan, USA and Canada. Currently lives in Rome (Italy).



Amardeep Puri

Country Sales Manager, Axens India

Amardeep Puri has been working in the Indian refining and petrochemicals sector for more than thirteen years. He started his career as a refinery Process Engineer with HPCL-Mittal Energy Limited in 2008. He has been working with Axens India since 2013, and has worked in technical services role before taking up the current position of Sales Lead for Process Licensing Business in India. Amardeep holds a bachelor's degree in chemical engineering from Thapar Institute of Engineering and Technology, Punjab and is Executive Business Management (LDP) degree holder from Indian Institute of Management, Calcutta.



Anjan Ray

Director, CSIR Indian Institute of Petroleum

After completing his doctoral studies in Chemistry from the University of Pennsylvania, Anjan Ray worked for over 25 years in the Chemicals, Personal Care and Energy industries across functions ranging from Quality Control, Technical Service, R&D and Marketing to General Management, Mergers & Acquisitions and Corporate Strategy. In November 2016, he took up his current position as Director, CSIR-Institute of Petroleum, a constituent laboratory of the Council of Scientific and Industrial Research, India. He currently holds additional charge of CSIR's Human Resource Development Group and heads the Supply Chain vertical for CSIR's COVID-19 mitigation efforts.



Faizur Rehman

Head of Bio2X, Fortum India

Faizur Rehman is leading Fortum Bio2X business in India along with being Country Director of Chempolis India and Director of Assam Bio Refinery Private Limited, a Joint Venture of Fortum and Numaligarh Refinery Limited, for setting up the first bio-refinery in Assam, India. Faizur is also part of Global Fortum Bio2X Management Team and Fortum India Management Team.

Before transforming into Business leader role, Faizur was the Group Director of Fortum companies in India & Head- Legal Affairs. With around 20 years of rich experience in multiple sectors like automobile, agriproducts, energy and bioeconomy, he brings multi-dimensional perspective, for creating value, building partnerships and business growth for all concerns.



Tarun Sawhney

Chairman, CII-Bio Energy CII Task Force

Mr. Tarun Sawhney is the Vice Chairman and Managing Director of (TEIL) Triveni Engineering & Industries Ltd. TEIL is amongst the largest fully integrated sugar and alcohol manufacturers in India and a market leader in its engineering businesses, comprising of high-speed gears, gearboxes, naval defence solutions and water treatment solutions.

Mr. Sawhney is a Director of Triveni Turbines Limited, one of the leading manufacturers of industrial steam turbines upto 100 MW globally.

Mr. Sawhney is the past President of ISMA (Indian Sugar Mills Association). He is a past Chairman of ISEC (Indian Sugar Exim Corporation Limited). He is a member of the CII (Confederation of Indian Industry) National Council and Chairman, CII Rural and District Economy Council and Co-Chairman, CII Task Force on Bio-Energy (including Ethanol) and Chairman of CII Task Force on Sugar. He has been conferred the Industry Excellence Award for contributions to the sugar industry by the Hon. President of India, Smt. Pratibha Rao Patil.

Mr. Sawhney graduated with a Bachelor's Degree and a Master's Degree from Emmanuel College, University of Cambridge, UK, and an MBA from the Wharton School, University of Pennsylvania, USA. He is a member of the Indian Public School's Society (IPSS) and has been on the governing committee of the Oxford & Cambridge Society of India. He is also the current President of the Doon School Old Boys' Society. He is presently a member of the International Advisory Council of the Tate Modern Museum (UK).

Mr. Sawhney is also a trustee of the Tirath Ram Shah Hospital in New Delhi, which is one of India's oldest charitable hospitals.



Claus Sauter

CEO, Verbio AG

Claus Sauter (* 1966), founder of VERBIO AG, has also been its CEO since May 2006. After graduating in economics and social sciences at the University of Augsburg in 1990 he took charge of the family wholesale business, Alois Sauter Landesprodukten-Grosshandlung GmbH & Co. KG, in the Bavarian town of Obenhausen. Claus Sauter subsequently became the managing partner, CEO and shareholder of a number of companies set up by him in Bavaria, Saxony-Anhalt, Brandenburg and Switzerland amongst them VERBIO Vereinigte BioEnergie AG.

Claus Sauter was President and Member of the Board of the German Biofuels Association "Verband der Deutschen Biokraftstoffindustrie e. V." (VDB) and Member of the European Biodiesel Board (EBB). His positions have been taken by other VERBIO managers but he continues to support the associations' work by his expert experience.



Vartika Shukla

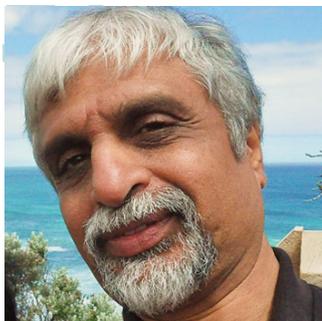
Chair & Managing Director, Engineers India Limited

Ms. Vartika Shukla is serving as the Chairman & Managing Director of Engineers India Limited (EIL), a Navratna Public Sector Undertaking under the Ministry of Petroleum & Natural Gas, Government of India. She is also holding additional charge of Director (Technical) and Director (Finance) of the company. She has been nominated as Member of the Oil Industry Development Board (OIDB) under Ministry of Petroleum & Natural Gas. She is also a member in the Performance Appraisal Board (PAB) for CSIR- Central Electronics Engineering Research Institute, Ministry of Science & Technology (Govt. of India). She graduated in Chemical Engineering from the prestigious Indian Institute of Technology (IIT), Kanpur and is also certified with an Executive General Management Program from IIM (Lucknow).

Ms. Shukla started her career as a Management Trainee in EIL in the year 1988. She has an extensive technical and consulting experience across the hydrocarbon value chain. She has led the company to the successful completion of many prestigious projects leading to key Refineries & Petrochemical complexes, Fertilizer plants both in India and overseas. She has been closely associated with developing in-house competencies and strategizing for new business opportunities both in the core hydrocarbon sector and in diversified areas of operations.

She has played a key role in several new initiatives of the company. EIL's entry into Bio-fuels, collaborative partnerships with academia and industries, foray into proprietary supplies and modularization are some of her key contributions which were the stepping stone for EIL in expanding its wings into the futuristic green technologies beyond robust Oil & Gas portfolio. She has made a concerted efforts towards digitization and Energy efficiency improvement for optimization of resources for both EIL and its clientele. She has also made an immense contribution to the development of National Policies especially in the area of Auto Fuel vision & policy, National Bio Fuel Policy and future road map for the refining and petrochemical sector. In her leadership, EIL has also advanced in the application of data driven analytical approach for improving the overall quality of the deliverables across the company.

She is an active member of various Industry forums like FIPI, CII, FICCI, and has served on the Editorial Board of FIPI Journal as well. She has published a number of research papers and patents suggesting strategies and technical solutions for the Oil & Gas industry. She is also the recipient of various prestigious national and international awards. She is the first woman executive in the Indian Oil & Gas industry to be bestowed with PETROFED Woman Executive Award. She is also a recipient of the SCOPE Excellence Award and MoPNG Innovation Award. She is an elected fellow of Indian National Academy of Engineering (INAE) and has been conferred with the INAE women Engineer of the year award for the year 2021. Recently, she has also been conferred with the Distinguished Alumnus Award by IIT-Kanpur in recognition of her stellar contributions in the field of Chemical Engineering and Technology. She strives towards operational excellence by adopting innovative practices at work.



Dasappa Srinivasaiah

Chair, ICER, Indian Institute of Science

Prof. S Dasappa is the Chair of the Interdisciplinary Centre for Energy Research and faculty at the Centre for Sustainable Technologies Indian Institute of Science. His major area of research is in the combustion of solid, liquid, and gaseous fuels. With the emphasis on energy conversion processes, the R&D activities address both scientific and technological challenges. The research outputs have contributed towards engineering domain addressing – “Process to Product philosophy” including sustainability through translational research.

With over 220 publications in various international and national journals, conferences and edited books, and 30 patents, he has been involved in technology transfers across the globe. Prof Dasappa is Identified in the top 2 % of the Energy scientist in the world. Stanford University and published in the journal PLOS Biology Dec 2019 and Top 2 % of the Energy scientist by Elsevier Updated science-wide author databases of standardized citation indicators, August 2021.



Jim Spaeth

U.S. Department of Energy, Bioenergy Technologies Office,
Chair Biofuture Platform

Jim serves as the U.S. DOE Bioenergy System Development & Integration (SDI) Program Manager. The SDI program develops, tests, and verifies engineering-scale integrated biorefinery process performance to reduce technology uncertainty and to enable industry-led scale-up activities. SDI also develops novel methods to expand end-user acceptance of biofuel and bioproducts and identifies new, robust market opportunities. Jim’s portfolio includes the DOE investments in integrated biorefinery projects at the pilot, demonstration and pioneer scales. Jim is the lead for international outreach for the DOE Bioenergy Technologies Office. In this role Jim works to catalyze collaboration among key international organizations including with the IEA Bioenergy TCP, the IEA Secretariat, the Biofuture Platform, IRENA, GBEP, Below50, and others. With DOE Jim has served in various roles including: Director for the Office of Commercialization & Project Management; Senior Advisor for the Pacific Region; Biomass and Renewable Energy Team Manager; and Technology Manager for Bioenergy and Solar Energy Programs. He also served as a Legislative Fellow for U.S. Senate Majority Leader Harry Reid. Prior to joining DOE, Jim worked for over 10 years in the aerospace industry in engineering and business development positions with McDonnell Douglas and Boeing. Jim earned a Bachelor of Science degree in Mechanical Engineering with High Honors from the University of Illinois, and Masters in Business Administration from the University of Phoenix.



Shivangi Tiwary

Manager, Invest India

Shivangi Tiwary is a sector expert in the Oil and Gas team at Invest India with 5+ years of experience across process engineering, strategy and implementation consulting. Shivangi is also as a member of the Project Development Cell (PDC) at the Ministry of Petroleum and Natural Gas. Shivangi has supported various investment facilitation cases, grievance redressal queries and policy advocacy to drive investments in the sector, especially in the domain of biofuels, fuel retailing and natural gas. Prior to her role at Invest India, she has worked as a management consultant with a top-tier consulting company, and as a gas processing engineer at a multinational energy company. Shivangi holds a Bachelor’s degree with Honors in Chemical Engineering from IIT Madras, and a Masters in Economics from London School of Economics.



Johan Thevelein

Managing Director, Novel Yeast

Johan Thevelein obtained his PhD at KU Leuven in 1981, spent two years as post-doc at Yale University (New Haven, Ct, USA) and was appointed professor at KU Leuven in 1986 and department director at VIB in 2002. His fundamental research was focused on basic mechanisms of nutrient sensing in yeast and his applied research on novel technologies and application for industrial yeast strain development (290 publ., h-index 100, 40 pat., 79 PhD). He retired in Oct. 2020 and established NovelYeast to continue R&D service and collaboration with the industry focused on development and implementation of superior industrial yeast strains and associated processes.



Eric van den Heuvel

Partner, studio Gear Up

Eric van den Heuvel, partner at 'studio Gear Up', is a senior expert in the field of sustainable energy, with a focus on business strategy and innovation on biomass and waste/residues for energy and alternative transport fuels (for road, shipping and aviation). He has nearly thirty years of strategic consultancy and management experience and a track record in leading and operating in international teams in. He has a large international network in Europe and overseas. He holds a University of Oxford, Saïd Business School 2011 Post-Graduate Diploma on Strategy and Innovation.

In 2015 he founded studio Gear Up, an independent firm supporting national and international companies, institutions and government organisations in the transition to a low carbon economy, by providing strategic advice, process and project management services and guiding and facilitating stakeholder involvement processes. Furthermore, the studio develops own concepts in the field of biomass resources, biofuels, alternative fuels and the circular economy.



Ramakrishna Y B

India Chair, Former Chairman – Working group on Biofuels,
Ministry of Petroleum & Natural Gas

An Electronics Engineer by training had an illustrious career in Research, Marketing and business development. His Journey on environment protection and Alternative Energy started in 1986 and is now completely devoted to Bio Energy program. He Chaired the Task force on Biofuels in Karnataka. He later was made the Chairman of Karnataka State Bio fuel development Board with the rank of a Minister. He is now playing a key role at All India level in promoting Biofuels as a member Expert (Chairman between June 2015- June 2018) on the Working group on Biofuels, Ministry of Petroleum & Natural gas; Government of India. He has been instrumental in drafting the National Biofuel Policy 2018 and many Bio fuel initiatives in India. He has also played a catalytic role in formation of Indo -EU cooperation in Advanced Bio Fuels and in formation of Bio Future platform.

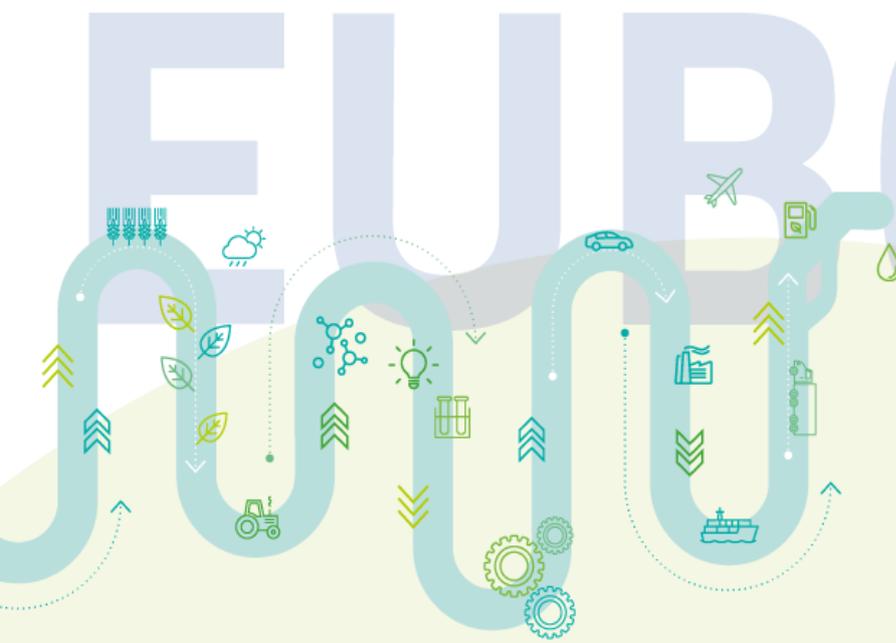


Arthur Wellinger

Managing Director, Triple E&M

Arthur Wellinger is managing director of Triple E&M, an international operating consulting company. Before he was managing director of Nova Energie, a consulting company working in all fields of renewable energies and energy efficiency. He has more than 40 years of experience in all fields of biogas. He is best known for his contributions in the development of AD processes for agricultural wastes, (industrial) waste water and MSW including gas upgrading utilities. His academic career included a professorship at the University of Illinois and a 15-year term as guest professor at the University of Technology in Vienna. He has also merited in coaching of industries and communities as well as policy making.

Arthur is or was member of a number of national and international associations, expert groups and research committees such as the Bioenergy Agreement in the International Energy Agency (IEA) where he served as Task Leader and Technical Coordinator. He is currently policy advisor of the Swiss Biogas Association (Biomasse Suisse), president of the Swiss association of digestion and composting plant operators and president of R2Gas, a European research and consulting group on all kind of renewable gases, located in Vienna.



EU-INDIA-BCE
CONFERENCE



PROGRESS IN
ADVANCED
BIOFUELS

2 - 4 MARCH 2022
ONLINE

EU-India-BCE Conference on Advanced Biofuels

Progress in Advanced Biofuels

2 - 4 March 2022

www.eu-india-bce.com