

Workshop Programme

Introduction

Global growth for methanol demand is primarily driven by oil displacement. Several governments around the world have recognised the advantages of methanol as a clean burning, alternative fuel. With innovative pilot projects within the EU already underway, should Europe now expand its methanol use?

The 1st European Methanol Policy Forum invites experts from industry, government and academia to join the debate over whether methanol can provide solutions to some of the big environmental and energy challenges that Europe faces?

In the context of the Paris climate negotiations taking place towards the end of the year, this event will discuss methanol's potential contribution in the following areas:

- Reduction and utilisation of CO₂
- Storage of intermittent energy supply
- Improvement of air quality
- Increase in supply of renewable energy
- Reduction in energy imports
- Acceleration of re-industrialisation and job creation

During the forum, speakers from around the globe will share experiences and expertise on renewable methanol technologies, methanol fuel solutions and the policies required to enable a successful implementation of these solutions.

Programme

12:00 – 13:30 Registration & Luncheon

13:30 – 15:40 Pre-conference Workshops

Delegates have the choice to attend one of the following two parallel workshops:

Workshop 1: DME Workshop - Part I

Hosted by the International DME Association

An opportunity to learn the basics of global DME production, applications, and developments, and to gain a fundamental understanding of DME and its relevance in Europe's dynamic alternative fuel landscape. Two briefings will cover the opportunities DME presents in a variety of areas: economic and environmental drivers; the monetization of natural gas, biomass, and coal; diesel fleet applications; power generation; and blending with LPG.

13:30 – 15:00 DME Fundamentals Briefing

Ingvar Landälv, Senior Project Leader, Energy Engineering, Luleå University of Technology

An intensive 70 minute short course providing essential background, technical and commercial information related to DME production, infrastructure, and applications. The briefing is ideal for those with little or no industry experience; for European Commission executives and staff with an interest in alternative, renewable and low-carbon fuels and advanced vehicle technologies; for companies recently entering the market, planning to do so, or just considering the options; vehicle fleet owners and operators; resource owners; consultants and advisors assisting their clients to make a well-informed decision regarding the opportunities; and analysts and researchers interested in covering practical developments in the industry.

15:00 – 15:40 LPG Synergies Briefing

François Bollon, Director, FRMB Consulting

A look at the relationship, mutual interests, and synergies between LPG and DME and the industries that support them. The briefing will cover the opportunities being explored around how established distribution networks, relevant expertise, and existing, scalable infrastructure easily modified for DME service could be leveraged to rapidly develop DME distribution in important markets.

Workshop 2: CO₂/Power-to-Methanol

European industry faces several challenges in the coming decades such as:

- How to drastically reduce CO₂ emissions?
- How to store renewable power during peak supply?

This workshop provides delegates with the opportunity to meet industry experts, who will share their 'hands on' experience about the synergies between CO₂ utilisation and energy storage in the form of methanol. In addition, delegates have the chance to hear their views on technology, economics and the policy measures affecting the industry.

13:30 – 15:40 Moderator: Eelco Dekker, Methanol Institute

13:30 – 13:45 The Methanol Economy

Dr. G.K Surya Prakash, Director, Loker Hydrocarbon Research Institute and Department of Chemistry, University of Southern California

13:45 – 14:00 CDU in Europe

Youssef Travaly, Project Coordinator, SCOT

14:00 – 14:20 CO₂-to-Methanol in Iceland

Benedikt Stefansson, Director of Business Development, Carbon Recycling International (CRI)

14:20 – 14:40 Industrial Methanol Catalysts - Today and Tomorrow

Dr. Uwe Flessner, Director Methanol & Hydrogen, Clariant

14:40 – 15:00 Power to Methanol in German and European Context

Christian Schweitzer, Managing Director, bse Engineering Leipzig GmbH

15:00 – 15:20 Heat-to-Methanol

David Banitt, CEO, NewCO₂fuels Ltd. (NCF)

15:20 – 15:40 CO2 utilisation for Fuel and Chemical Production
John Bøgild Hansen, Senior Advisor, Haldor Topsøe A/S

15:40 – 16:00 Afternoon Coffee Break

16:00 – 18:00 Pre-conference Workshops

Delegates have the choice to attend one of the following two parallel workshops:

Workshop 1: DME Workshop - Part II
Hosted by the International DME Association

A series of presentations featuring senior representatives from a number of those companies most active in the introduction of DME as a fuel providing updates on projects and initiatives underway in Europe, North America, and elsewhere, and outlining their perspectives on the practical opportunities related to DME use in transportation, power, and other fuel applications.

16:00 – 16:10 Moderator: Ambassador Ulrik Federspiel, Executive Vice President, Chief Strategy Officer, Haldor Topsøe

16:10 – 16:30 Distributed Small-Scale DME Production
Dr. Rebecca Boudreaux, President, Oberon Fuels

16:30 – 16:50 Natural Gas Monetisation in Europe via DME
Eyal Erlich, CEO, DME - Fuel of the Future Ltd.

16:50 – 17:10 Waste-to-DME
Rafi Sela, CEO, AR Challenges, Ltd.

17:10 – 17:30 DME Experience in HDV
Jan Arnell, Project Manager DME, Volvo Group Trucks Technology

Workshop 2: Methanol Marine Fuel

With the introduction of Emission Control Areas in parts of Europe and the US, ship owners are looking for the best balance between technology, total cost of ownership and emission reduction.

This workshop takes an in-depth look at the use of methanol as a clean burning, alternative marine fuel.

Moderator: Michel Hamrouni, Manager Market Development & Regulatory Affairs, Methanex

16:00 – 16:20 Methanol as an Alternative Marine Fuel

Prof. Karin Andersson, Maritime Environment and Energy Systems, Department of Shipping and Marine Technology Chalmers University of Technology

16:20 – 16:40 Previous R & D

Bengt Ramne, Founder, Managing Director, ScandiNAOS AB

16:40 – 17:00 Stena Teknik: Strategic View

Per Stefenson, MSc Naval Architect, Marine Standards Advisor, StenaTeknik

17:00 – 17:20 Engine Development

Toni Stojcevski, Project Manager, Methanol Adaption Project, Wärtsilä

17:20 – 17:40 Views from a Classification Company

Kim Tanneberger, Lead Specialist, Strategic Research and Technology Policy Group, Lloyds Register

17:40 – 18:00 LeanShips Project

Prof. Sebastian Verhelst, Associate Professor of Internal Combustion Engines, Ghent University

Practical Information

Refreshment Breaks and Networking Opportunities

Delegate Registration & Luncheon	12:00 – 13:30
Afternoon Coffee Break	15:40 – 16:00

Conference Documentation

Please log into the Online Delegate Networking System at **www.methanol2015.eu** to view the speaker presentations using the log in details provided in the **final information email**.

If you experience any issues when logging on to the system, please contact Rhian Morgan on **rhian.morgan@forum-europe.com** where she will reissue your details.

Wifi

Please find here below the instructions for the WIFI:

1. Connect to the **Thon Hotels Network**
2. Choose **option 3: conference login**
3. Enter the password: **methanol**

Twitter

If you are registered on Twitter, then you can follow tweets that are posted about the event, and indeed tweet about the event yourself using the hash-tag **#Methanol2015**

Mobile Phones

Please be so kind as to switch your mobile phone to silent during each conference session. Thank you for your cooperation.



Taxis

Taxis can be ordered in advance from the main conference registration desk. Simply inform the staff of the time that you wish your taxi to arrive, and they will ensure that it is ordered and waiting for you at the allotted time.

Badges

We would be grateful if participants would wear their badges at all times.

Filming and Photography

There may be photography and filming at this event. If you do not wish for us to use your image as part of the conference outcomes or wider event promotion, please come and speak to one of the staff on the day, providing your business card. It is impossible for us to identify and contact those photographed and we thank you for your support in this matter.

Notes

About the Host and Sponsors



Methanol Institute www.methanol.org

The Methanol Institute (MI) serves as the global trade association for one of the world's most vibrant and innovative industries. Founded in 1989 to lobby the U.S. Congress in support of methanol fuel markets, MI now serves its members in every corner of the globe from our offices in Brussels, Singapore, Washington, D.C., and Beijing.

The global methanol industry impacts our daily lives in countless ways. Methanol is an essential chemical building block for numerous products that touch our daily lives, and in an era focused on alternative energy, it is an emerging energy resource. Last year, global methanol demand reached 65 million metric tonnes or 83 billion liters, with 40% of demand coming from fast-growing energy market segments.

The methanol industry's leading companies have joined to support MI as the most effective way to interact with governments, NGOs and potential new customers throughout the global marketplace. MI collaborates with each of our member companies to create solutions for the global industry, and to ensure that already vibrant markets for methanol and its numerous derivatives continue to thrive.

Most importantly, the leading executives of MI's member companies provide their vision and insight to help drive the future of the methanol industry. The Methanol Institute provides the platform for our members' voices to resonate throughout the global marketplace and in the halls of government around the globe.



Exclusive VIP & Speaker Dinner Sponsor



Methanex Corporation www.methanex.com

The world's largest producer and supplier of methanol to major international markets in North America, Asia Pacific, Europe and South America.

Headquartered in Vancouver, Canada, Methanex currently operates production sites in Canada, Chile, Egypt, New Zealand, the United States and Trinidad and Tobago. We are growing our production base in the United States by relocating two methanol plants from Chile to Geismar, Louisiana. The first plant, Geismar 1, began operations in January of 2015, and the second plant, Geismar 2, is targeted to be operational in late Q1 2016.

Our global operations are supported by an extensive global supply chain of terminals, storage facilities and the world's largest dedicated fleet of methanol ocean tankers.

The Power of Agility™ is our competitive advantage. It is how our global team of approximately 1,100 employees safely and reliably delivers on our brand promise everyday by quickly adapting and responding to our customers' needs and creating and capitalizing on opportunities in the marketplace. At Methanex, Responsible Care is the foundation of everything we do and is a key element of our global culture.

To learn more about our global operations and business around the world click [here](#).

Exclusive Cocktail Reception Sponsor of main forum



Methanol Holdings (Trinidad) Limited (MHTL)
www.ttmethanol.com

Methanol Holdings (Trinidad) Limited (MHTL) is a leading global petrochemical company producing methanol, UAN (32%), melamine and ammonia. The company has decades of production, marketing and distribution experience in the methanol industry, with an efficient and reliable global supply chain that includes storage facilities in key locations and a vessel fleet of eleven (11) chemical tankers. The company, via the affiliated marketing companies Southern Chemicals Corporation and Helm AG, markets up to 4 million MTPY of methanol globally.

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As a leading player in the petrochemical industry, MHTL continues to explore growth opportunities for its methanol business. MHTL recently announced its partnership with G2X Energy to construct a new world-scale methanol facility in the US. MHTL together with its affiliated companies also play a key role in developing emerging uses and markets for methanol.

Lanyard and Badge Sponsor of main forum



Southern Chemical Corporation (SCC)
www.southernchemical.com

Southern Chemical Corporation (SCC) delivers the highest level of service and solution-driven logistics to maximize the building blocks of your business. Backed by security of supply and a reliable distribution network, SCC distributes methanol and melamine to small and large companies throughout the Americas.

Since its founding in 1997, SCC has grown to become the preferred and reliable market leader of methanol sales and distribution in the Western Hemisphere. Starting in 2010, SCC further diversified its product portfolio with the addition of melamine. With strategically placed terminals and warehouses, an impressive vessel fleet, and multiple production plants SCC can meet the challenge of the market, regulatory changes and ever-expanding customer requirements.

Our commitment to our customers reaches beyond competitive pricing and dependable stock. We are fully invested in Responsible Care® practices and have provided years of exceptional customer service. With a strong leadership position in the market, SCC strives every day to deliver product, valuable information, and the most cost-effective logistical solutions to our customers, giving them a competitive advantage.

Notes

Speaker Biographies

Workshop 1: DME Workshop - Part I

Hosted by the International DME Association

13:30 – 15:00

Ingvar Landälv, Senior Project Leader, Energy Engineering, Luleå University of Technology



Ingvar Landälv has more than 35 year of experience in process R&D, design, engineering, construction and operation of gasification process plants based on oil, coal and biomass feedstock. 1997 to 2012 he served as the Chief Technology Officer at Chemrec, engaged full time in the development and commercialization of the company's black liquor gasification technology. Since 2013 he is working for Luleå University of Technology (LTU) as one of the key individuals in the LTU Biosyngas R&D Program. In this capacity he also continues his engagement with the development of Chemrec's gasification technology.

In 2005 he was involved in the formation of the European Biofuels Technology Platform in which he currently serves as vice chair. He also participates in other biofuels related groups within EU such as the newly formed Sustainable Transport Forum.

Ingvar holds a number of patents in the area of energy integration in gasification based processes, and has an MSc in physics and chemistry.

2015 European **METHANOL** POLICY FORUM

13 & 14 October / Stanhope Hotel . Brussels



15:00 – 15:40

François Bollon, Director, FRMB Consulting



François Bollon has worked for years as a consultant for industry entities such Total Gas & Power and the International DME Association. Beginning in 2005 he worked as DME Project Manager for Totalgaz. Prior to that Mr. Bollon managed a number of subsidiaries of Elf and Total in France and China involved in various fields, including LPG, dense-loading of catalysts, and lubricants.

François is a graduate of the Ecole des Mines de Paris and the French Petroleum Institute.

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Workshop 2: CO₂/Power-to-Methanol

13:30 – 15:00

Moderator: Eelco Dekker, Chief Representative Europe,
Methanol Institute



Eelco Dekker joined the Methanol Institute (MI) as Chief Representative Europe in October 2014. Having worked as Chief Marketing Officer for BioMCN for the past seven years, Eelco brings extensive knowledge to MI about the European arena with regard to fuel blending, energy applications and regulatory affairs. Eelco primarily supports MI in the fields of gasoline blending and marine fuels, as well as exploring further possibilities to broaden the use of methanol in traditional diesel segments. Prior to working for BioMCN, Eelco has held several marketing and commercial roles at international chemical companies like DSM and Ciba Specialty Chemicals (now BASF) for more than 10 years.

13:30 – 13:45

Prof. G.K. Surya Prakash, Director, Loker Hydrocarbon Research
Institute, University of Southern California



Professor Surya Prakash holds a B.Sc (Hons) from Bangalore University and a M.Sc. from IIT, Madras and a Ph. D. from the University of Southern California (USC). He joined USC faculty in 1981 and is currently a Professor and Director holding the Olah Nobel Laureate Chair in Hydrocarbon Chemistry at the Loker Hydrocarbon Research Institute. His research interests are in superacid, hydrocarbon, synthetic organic & organofluorine chemistry, with particular emphasis in the areas of energy and catalysis. He co-invented the direct oxidation methanol fuel cell.

He has trained more than 125 doctoral and post-doctoral scholars. He is prolific with more than 725 peer-reviewed publications holding ~ 50 patents. He has published 11 books. His awards include American Chemical Society (ACS) National Awards: 2004 Creative Work in Fluorine chemistry; 2006 George A. Olah Award in Hydrocarbon or Petroleum Chemistry and the 2006 Richard C. Tolman Award.

He received the 2007 Distinguished Alumni Award from IIT, Madras and the 2010 CRSI Medal from the Chemical Research Society of India. He was awarded (jointly with Olah) the inaugural 2013 \$1 Million Eric and Sheila Samson Prime Minister's Prize for Innovation in Alternative Fuels for Transportation by Israel. He is a fellow of the AAAS, a Member of the European Academy of Arts, Sciences and Humanities, Fellow of the European Academy of Sciences, Foreign Fellow of National Academy of Sciences, India and Fellow of the ACS. He also sits on several Editorial Boards. The book, "Beyond Oil and Gas: The Methanol Economy" (Wiley-VCH, 2006 and 2nd Edition, 2009, translated into four languages) co-authored with G. A. Olah and A. Goeppert is getting worldwide attention.

13:45 – 14:00

Yousseff Travaly, Project Coordinator, SCOT



Yousseff Travaly holds a PhD in Materials Science together with a MBA. He has 15+ year work experience in managing highly complex, national, regional and transcontinental projects of strategic importance, with multiple stakeholders in a variety of sectors. He was for many years the chair/member of international scientific committees and has authored/co-authored 100+ journal and conference papers. He is currently coordinating, on behalf of GreenWin, the Smart CO₂ Transformation (SCOT) project, a collaborative European project focused on accelerating the market development of carbon dioxide utilization.

14:00 – 14:20

Benedikt Stefansson, Director of Business Development, Carbon Recycling International (CRI)



Benedikt Stefansson is Director of Business Development for Carbon Recycling International (CRI), based in Reykjavik, Iceland. Benedikt served as Policy Advisor to the Icelandic Minister of Economic Affairs, as VP Sales and Marketing for deCODE genetics, Reykjavik, Iceland and Project Manager for Complex Adaptive Systems at HNC Software (now Fair Isaac) in Santa Fe, New Mexico. Benedikt holds a C.Phil degree in Economics from the University of California Los Angeles, and a BS degree in Economics from the University of Iceland, Reykjavik.

14:20 – 14:40

Dr. Uwe Flessner, Director Methanol & Hydrogen, Clariant



Uwe Flessner joined Clariant in 2012 as regional head of the Industry Group Refinery in EMEA. In 2013 he was appointed to run the global business of Methanol and Hydrogen catalysts of the Business Segment Syngas of Clariant.

Prior to that he worked with Süd-Chemie AG a leading supplier of catalysts and absorbents, where he held leading management positions in R&D, production and sales in the field of catalysis and absorbents.

Uwe Flessner received his Ph.D. in organometallic chemistry from the Technical University of Munich in 1992 and has more than 25 years of experience in research, production, technical service, project management and sales.

14:40 – 15:00

Christian Schweitzer, Managing Director, bse Engineering Leipzig GmbH



Christian Schweitzer, Managing Director, bse Engineering Leipzig GmbH. Christian Schweitzer was born in July 1964 in Aachen. There he completed his engineering studies at the Fachhochschule Aachen. He also received his Bachelor of Business Administration in 1999 from the St. Gallen Management Institute, Switzerland. Since 1995, Mr. Schweitzer is managing director of bse Engineering Leipzig GmbH. The bse Engineering GmbH Leipzig works across whole Europe and is an independent, consultative and customer-oriented engineering company in the field of liquid and solid biomass.

With the successful establishment of the bioethanol plant in Zeitz in Germany in 2005 he joined the biofuel industry. Since that time Mr. Schweitzer has supported and implemented many bioenergy projects throughout Europe.

Furthermore, Mr. Schweitzer released different articles about BioEthanol, sugar mills and (sustainable) utilization of biomass as well as held presentations on these topics at International Bio-Energy conferences.

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At the moment Mr. Schweitzer develops the technical and economic integration of the chemical Energy storage of Methanol in the Ethanol Industry.

15:00 – 15:20

David Banitt, CEO, NewCO2fuels Ltd. (NCF)



Mr. Banitt has 30 years' experience in product development, marketing, and senior management in the high tech industry, including multidisciplinary systems, electro-optics, and energy products. He holds a B.Sc. in Electrical Engineering from Tel Aviv University, Israel.

15:20 – 15:40

John Bøgild Hansen
Senior Advisor, Haldor Topsøe A/S



John Bøgild Hansen is Senior Advisor to Management in the Company Management of Haldor Topsøe A/S. He graduated with a MSc in Chemical Engineering from DTU in 1975 and has been employed by Haldor Topsøe since then.

In 1979 he joined the Research & Development Division where he was Department manager from 1984. In 2000 he became Advisor to the chairman and founder, Dr. Haldor Topsøe

John Bøgild Hansen holds 24 patents and has made more than 60 publications. He has presented more than 30 invited key note lecturers on synthetic fuel production, fuel cells, solid oxide electrolysis and fuels from biomass production.

DME Workshop – Part II

Hosted by the international DME Association

16:00 – 16:10

Moderator: Ambassador Ulrik Federspiel, Executive Vice President, Chief Strategy Officer, Haldor Topsøe



Ulrik Federspiel joined Haldor Topsoe in 2009 as Vice President for Global Affairs and became Executive Vice President and Chief Strategy Officer in 2012.

In 2013 he also joined the Board of Karnapuli Fertilizer Company (KAFCO) in Bangladesh. He is member of the Advisory Board of the President of the University of Copenhagen and of the University of Aarhus, school of Business and Social Sciences of which he in 2012 was appointed Honorary Alumni. Mr. Federspiel has been Chairman of the International DME Association's European Affairs Committee since 2011, when he also became a member of the Bilderberg Steering Committee. He is a member of the Nordic Energy Group on Climate and Energy.

Before joining Haldor Topsoe Ambassador Federspiel held senior government positions for almost twenty years. He has twice as State Secretary been heading the Danish diplomatic services and Foreign Ministry (1991-93, 2005-09) and been Danish Ambassador to the United States of America for almost six years (2000-2005). Before that he was Danish Ambassador in Ireland. From 1993-97 he was heading the Danish Prime Ministers department as Permanent Secretary and Secretary to the Queen in Council.

Upon retirement from government service in 2009 H.M. the Queen decorated him with the Grand Cross of the Order of Dannebrog. He holds Grand crosses from eleven other countries. He holds the rank of Ambassador for life.

Ambassador Federspiel is M.Sc. in political science from Aarhus University and M.A. in international relations from University of Pennsylvania, Philadelphia.

16:10 – 16:30

Dr. Rebecca Boudreaux, President, Oberon Fuels



Trained as a chemist, Rebecca Boudreaux, Ph.D. is an entrepreneurial, technology executive with a unique blend of technical skills and business development expertise. She has served on the management team or Board of Directors of various startup companies in the clean tech, life sciences, high tech, and non-profit sectors. Presently, she is President and Director of Oberon Fuels, a San Diego-based company making DME (dimethyl ether) as a cleaner, alternative to diesel. In her role at Oberon, Dr. Boudreaux leads the customer development and strategic partnering efforts with OEMs, feedstock suppliers, and trucking companies. Additionally, she oversees the regulatory processes for the use of DME as a fuel including EPA Renewable Fuel Standard compliance and ASTM specification development.

Dr. Boudreaux has a broad range of academic and industrial experience, having performed research at MIT, Princeton University, University of Southern Mississippi, Lawrence Livermore National Laboratory, and National Starch and Chemical. She earned a B.S. in Polymer Science (magna cum laude, University of Southern Mississippi) and a M.S. and Ph.D. in Polymer Science and Engineering (University of Massachusetts). Dr. Boudreaux has co-authored six peer-reviewed publications and is a co-inventor on 12 patents and applications.

In addition, Dr. Boudreaux presently serves as a Board Member of UrbanPromise International, an organisation working in Malawi, Uganda, Honduras, Canada, and the US to develop emerging leaders who will break the poverty cycle for children in under-resourced, urban communities.

16:30 – 16:50

Eyal Erlich, CEO, DME - Fuel of the Future Ltd.



Eyal Erlich (57) is an Israeli businessman and Entrepreneur. He graduated the law faculty of the Hebrew University of Jerusalem on 1985, and is now married with four children.

During the 1980's Erlich became a well-known journalist in Israel, and worked for leading Israeli newspapers. In 1992 Erlich left journalism and became an active businessman. In his first few years as a businessman he focused on the food area, mainly as an importer and trader. At that time he also established his first project as an entrepreneur – a big fish farm in the red sea.

More recently, Erlich decided to focus on the Energy sector. In 2012 he joined forces with Hezy Ram and together they established DME - Fuel of the future Ltd. The company is planning to establish a 50,000 TPY DME plant in Israel, and a 300,000 TPY DME plant in Russia.

16:50 – 17:10

Rafi Sela, CEO, AR Challenges, Ltd.



Rafi Sela is CEO of AR Challenges, Ltd. (Israel), AR Challenges Ltd (UK) and AR Challenges (USA), Inc. He is also founder and first President of the ILHSIA – Israeli Homeland Security Industries Association and Co Chairman of the Airport Security Task force at HSIA – Homeland Security Industries Association (USA).

Mr Sela was born in Israel in 1947 and served in the Israeli Defense Forces for 20 years as a senior ordnance officer. He was in the first team that designed and manufactured the Merkava tank and other unique products and equipment for the special operation forces. (Including the design and manufacture of special equipment for the Entebbe rescue mission).

Mr Sela has a B.Sc. ME from the Technion – Israeli Institute of Technology and MBA from the University of Washington (Seattle). Extensive Defense, Homeland Security, Renewable Energy, Business Development, Technologies and training experience in the USA and Europe for over 40 years. He has held various upper management positions in Israeli and at multi-national companies in the high tech, Manufacturing and security arenas.



Mr Sela currently serves as the CEO of the AR-EIL JV (USA) which provides turnkey management for Renewable Energy and WTE projects around the world.

17:10 – 17:30

DME Experience in HDV

Jan Arnell, Project Manager DME, Volvo Group Trucks Technology

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Workshop 2: Methanol Marine Fuel

16:00 – 18:00

Moderator: Michel Hamrouni, Manager Market Development & Regulatory Affairs, Methanex



Within Methanex Michel is responsible for commercializing methanol energy applications in Europe, Central Asia and Middle East. Working with the global Methanex team, he also has global responsibility for coordinating and executing Methanex's renewable methanol strategy

Michel holds an MSc and an MBA from Solvay Business School. He has spent the last 16 years of his professional career working in global product and business development roles, most recently as Product Development Leader with Thermo King.

16:00 – 16:20

Prof. Karin Andersson, Maritime Environment and Energy Systems, Department of Shipping and Marine Technology, Chalmers University of Technology



Karin Andersson is professor in the division of Maritime Environment and Energy Systems. Her academic background is in Chemical Engineering (M Sc), Nuclear Chemistry (Ph D) and Environmental Systems Analysis. She also spent one year of studies in Archaeology. After working as a consultant in environmental systems analysis for seven years, she was one of the two founders of the research group for Environmental Systems Analysis at the department for Civil and Environmental Engineering at Chalmers in 1990 together with Torbjörn Svensson. The group has been active in developing and teaching environmental/sustainable development courses within different Master of Engineering programs at Chalmers and were a driving force in the development of research within Life Cycle Assessment (LCA) in Sweden. This led to the start of a national competence centre, CPM with participation of more than 10 large Swedish companies. Karin is employed at the department of Shipping and Marine Technology since 2009. Her present research interests focuses on decision support relating to environmental impact and resource use caused by technical systems in shipping using

Environmental Systems Analysis tools like life cycle assessment (LCA). Examples of present research projects are “future marine fuels from a life cycle perspective” and “marine energy systems modelling”. The research is connected to the maritime competence centre Lighthouse.

16:20 – 16:40

Bengt Ramne, Founder, Managing Director, ScandiNAOS AB



Professor of the Practice, MSc Naval Architect, with a broad experience in ship design, ship building and marine transportation systems. As R&D manager for Kvaerner Ships Equipment (nowadays TTS Ships Equipment) Mr Bengt Ramne led the product development of cargo access equipment and the development of innovative automatic cargo handling systems for ro-ro operation. Bengt was outfitting design manager during the start-up phase of Kvaerner Philadelphia Shipyard and has the recent years participated in a number of R&D projects both commercial and EU funded, focusing on the development of short sea shipping.

16:40 – 17:00

Per Stefenson, MSc Naval Architect, Marine Standards Advisor, Stena Teknik



Per Stefenson graduated at CTH in Gothenburg, Sweden as Naval Architect, M.Sc., in 1981. He works as Marine Standards Advisor at Stena Rederi AB since 2009 with the task to follow standards and regulations development within international organizations such as IMO and EU. He is also coordinating the company’s RTD projects including the efforts to test Methanol and other alternative fuels due to the new sulphur regulations. Per has previous experience as project manager from SSPA (maritime consultants) and the Swedish Maritime Administration where he was Head of Research and Technical Development. Per has also served as Marine Engineer in the Royal Swedish Navy, specialized in naval craft light weight design.

17:00 – 17:20

Toni Stojcevski, Project Manager, Methanol Adaption Project, Wärtsilä



Toni Stojcevski is a professional within the area of business development. He has been working in various positions in Wärtsilä for 15 years and gained a broad experience in the shipping and power plant industry within the field of medium speed combustion engines for propulsion and power generation. In 2013 Toni graduated from the Executive MBA on the University of Gothenburg, School of Business, Economics and Law. As part of other business development tasks Toni is currently responsible for the “Methanol adaptation project” comprising of new product development, application and its market strategy. Toni is also accountable for the methanol solution delivery and conversion of the four main engines onboard Stena Germanica which will be the first ship in the world operating on methanol as a fuel while leaving positive trace on the shipping industry and the society in whole.

17:20 – 17:40

Kim Tanneberger, Lead Specialist, Strategic Research and Technology Policy Group, Lloyds Register



Kim Tanneberger is a Chartered Engineer. She has a Degree in Chemical Engineering. Kim joined Lloyd's Register Strategic Research and Technology Policy Group in 2008.

She is a certified Laboratory Technician and has worked in water and metallic material analysis. As a student she built and operated a surface water CO₂ analyser for the University of East Anglia and was part of the first successful iron fertilisation experiment in the Southern Ocean (SOIRE). She has also worked in pharmaceutical process development (separation processes) and in the automotive materials sector (trim shop adhesives), before applying herself in the maintenance of engineering systems on oceanographic research vessels at the UK National Oceanography Centre for five years. Here she held various responsibilities. She was responsible for the readiness and safety of equipment for research cruises. On board ship it was her responsibility to operate machinery and instrumentation throughout. She also worked on the development of a system of processes for our company organisation and she consulted on the commissioning of the winch system for RRS James Cook. She was promoted to Deputy Head Platform Systems.

As Lead Specialist she works on sustainability related emerging technologies she contributes to two current EU projects and is particularly interested in alternative fuels, where she has worked on projects related to alternative fuels, e.g. to run a marine auxiliary engine on biodiesel. Specifically, on the subject of Methanol she has contributed to SPIRETH project and acted during this and the Germanica Project as a HAZID scribe. She is currently contributing to the METHASHIP Project.

17:40 – 18:00

Prof. Sebastian Verhelst, Associate Professor of Internal Combustion Engines, Ghent University



Prof. Dr. ir. Sebastian Verhelst obtained his PhD in Electromechanical Engineering in 2005, on the combustion of hydrogen in spark-ignition engines. During his PhD, he spent 6 months at Leeds University as an EC Marie Curie Fellow. In 2008 he became a part-time lecturer and since 2011 he is a full-time Associate Professor at Ghent University. In 2013, he was a guest lecturer at the University of Antwerp.

His research interests are primarily alternative fuels, including hydrogen, methanol, ethanol, straight vegetable oils, animal fats and biodiesel. He has authored over 50 papers in international journals, 5 book chapters and over 90 papers in the proceedings of international conferences. 5 PhD's have been finished under his supervision, with 5 more PhD students currently in his team. He has been invited on several occasions, to submit topical review papers, deliver keynote speeches, organize tailored workshops etc.

Dr. Verhelst is president of the Belgian Society of Automotive Engineers (UBIA), and served as vice-chair of the Scientific&Technical Committee of the FISITA 2014 World Automotive Congress. He has been awarded with the VDK Prize for Sustainable Development 2005, the 2013 CIMAC President's award for the paper "The CRISTAL Engine: ABC's New Medium Speed Diesel Engine, Developed to Comply with IMO III" (co-authored with ir. Lieven Vervaeke and ir. Tim Berckmoes) and the 2014 SAE Forest R. McFarland Award.