

Monday March, 11

10:30am - 11:15am

Conference Opening: Geopolitical dialogue

Carlos Pascual, Senior Vice President, IHS Markit
 Suzanne Maloney, Deputy Director - Foreign Policy, The Brookings Institution
 John Scarlett, Senior Advisor, Morgan Stanley
 Angela Stent, Director of the Center for Eurasian, Russian and East European Studies, Walsh School of Foreign Service, Georgetown University

11:15am - 12:00pm

Fuels of the Future: The new rivalry

Daniel Yergin, Vice Chairman, IHS Markit
 Arnaud Breuillac, President, Exploration and Production, TOTAL S.A.
 Jack Fusco, President and Chief Executive Officer, Cheniere Energy
 Maarten Wetselaar, Integrated Gas and New Energies Director, Royal Dutch Shell plc

12:00pm - 12:25pm

Leadership Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Andrew R. Jassy, Chief Executive Officer, Amazon Web Services (AWS)

12:30pm - 02:00pm

Voices of Innovation

John Browne, Executive Chairman, L1 Energy
 Ernest J. Moniz, President and Chief Executive Officer, Energy Futures Initiative

12:40pm - 01:50pm

Opening Oil Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Andrew Wheeler, Acting Administrator, US Environmental Protection Agency (EPA)

01:50pm - 02:15pm

Leadership Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Eldar Sætre, President and CEO, Equinor ASA

02:30pm - 03:00pm

Agora Pods: Afternoon Sessions

Commonwealth Fusion Systems 02:30pm - 03:00pm
 Bob Mumgaard, Chief Executive Officer, Commonwealth Fusion Systems

02:30pm - 03:15pm

Company Strategies in a Time of Change

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Musabbeh Al Kaabi, Chief Executive Officer, Petroleum and Petrochemicals, Mubadala Investment Company
 John Hess, Chief Executive Officer, Hess Corporation
 Shunichi Miyanaga, President and Chief Executive Officer, Mitsubishi Heavy Industries

02:30pm - 03:15pm

Agora Studios
Driverless Technology: The real disruptor 02:30pm - 03:15pm

Jeremy Carlson, Principal Analyst and Manager, IHS Markit
 Rebecca Yergin, Associate, Covington and Burling LLP

Carbon Trading: Will blockchain change the game? 02:30pm - 03:15pm

Kathy Benini, Managing Director, Pricing and Valuation and Reference Data, IHS Markit
 Harikumar Gadde, Senior Carbon Finance Specialist, The World Bank
 Ruben Lubowski, Chief Natural Resource Economist, Environmental Defense Fund
 Julie Mulkerin, Climate Change Strategy Advisor, Chevron

02:30pm - 03:15pm

Finance, Markets and Economics

Roger Diwan, Vice President, Financial Services, IHS Markit
 Osmar Abib, Jr., Chairman of Global Energy, Credit Suisse
 Marcel van Poecke, Head of Carlyle International Energy fund, Carlyle International Energy Partners (CIEP)
 Nathan Strik, Portfolio Manager, Fidelity Management and Research Company

03:15pm - 04:00pm

Agora Studios
Agile, Additive and the Automobile of the Future 03:15pm - 04:00pm

Tim Armstrong, Vice President, Auto, IHS Markit

Ric Fulop, Co-Founder and CEO, Desktop Metal
 Jon Hirschtick, Co-Founder and CEO, Onshape Inc.
 Sanjay Singh, Executive Vice President and CTO, Dura Automotive Systems LLC

Artificial Intelligence and the Energy System: Disruption or transformation? 03:15pm - 04:00pm

Dan Mbanga, Business Development Manager, Amazon Web Services (AWS)
 Morag Watson, Vice President, BP

03:20pm - 04:05pm
Digital Transformation: Creating value

David Hicks, Senior Vice President, Upstream Energy, IHS Markit
 Lal Karsanbhai, Executive President, Automation Solutions, Emerson
 Ahmad O. Al-Khowaiter, Chief Technology Officer, Saudi Aramco
 Babur Ozden, Founder and Chief Executive Officer, Maana, Inc.
 Yuri Sebregts, Executive Vice President Technology and Chief Technology Officer, Shell

03:20pm - 04:05pm
Climate Strategies in a World of Rivalry

Carlos Pascual, Senior Vice President, IHS Markit
 Ernest J. Moniz, President and Chief Executive Officer, Energy Futures Initiative
 Jennifer Morris, President, Conservation International (CI)
 Maria Zuber, Vice President for Research and E. A. Griswold Professor of Geophysics, MIT

04:00pm - 04:50pm
Lyceum Labs: Afternoon Labs

Commonwealth Fusions Systems Lab 04:00pm - 04:50pm

Bob Mumgaard, Chief Executive Officer, Commonwealth Fusion Systems

04:20pm - 04:45pm
Leadership Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Vagit Alekperov, President of PJSC, LUKOIL

04:30pm - 05:15pm
Agora Studios

Oil and Gas: Realizing value from digital transformation 04:30pm - 05:15pm

Judson Jacobs, Executive Director, Upstream Technology, Energy, IHS Markit
 Nick Farrant, Senior Vice President, Industry - Oil and Gas, Uptake Technologies
 Justin Rounce, EVP and Chief Technology Officer, TechnipFMC
 Arno van den Haak, Head, Worldwide Business Development Oil and Gas, Amazon

Voices of Innovation 04:30pm - 05:15pm

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Fatih Birol, Executive Director, International Energy Agency

04:45pm - 05:10pm
Carbon Management Strategies

Daniel Yergin, Vice Chairman, IHS Markit
 Vicki A. Hollub, President and Chief Executive Officer, Occidental Petroleum Corporation

05:10pm - 05:35pm
US Energy Policy Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Lisa Murkowski, Chairman, United States Senate Energy and Natural Resources Committee

05:35pm - 06:00pm
Leadership Dialogue

Daniel Yergin, Vice Chairman, IHS Markit

05:45pm - 06:30pm
Innovative Pathways to Affordable Hydrogen

Shankari Srinivasan, Vice President, Energy, IHS Markit
 Enass Abo-Hamed, Chief Executive Officer, H2GO Power
 Sam French, Syngas New Market Manager, Johnson Matthey
 R. K. Malhotra, Director General, Federation of Indian Petroleum Industry (FIPI)
 Steve Szymanski, Director of Business Development, Nel Hydrogen

06:00pm - 06:30pm
Global Oil Markets Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Mohammad Sanusi Barkindo, Secretary General, OPEC (Organization of the Petroleum Exporting Countries)
 Fatih Birol, Executive Director, International Energy Agency

06:30pm - 07:30pm
Conference-wide Reception

07:30pm - 09:00pm

Insight Dinners (view more +)**Crossing the Digital Divide: Company strategies for a new world** 07:30pm - 09:00pm

Susan Farrell, Vice President, Energy-Wide Perspectives, IHS Markit
Bill Vass, Vice President, Engineering, Amazon Web Services (AWS)

Driving Change: Cities as the new frontier of mobility 07:30pm - 09:00pm

Katherine Hardin, Vice President, IHS Markit
David Sandalow, Inaugural Fellow, Center on Global Energy Policy; Co-Director, Energy and Environment Concentration, Columbia University Center on Global Energy Policy
V. Sumantran, Chairman, Celeris Technologies

Investment Strategies in a Low-carbon World 07:30pm - 09:00pm

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
Al Cook, EVP, Global Strategy and Business Development (GSB), Equinor
Ernest J. Moniz, President and Chief Executive Officer, Energy Futures Initiative

North Sea: The revival continues 07:30pm - 09:00pm

Jon Story, Senior Director, Energy, IHS Markit
Maria Moraeus Hanssen, Chief Executive Officer, DEA Deutsche Erdoel AG
Karl Johnny Hersvik, Chief Executive Officer, Aker BP
Bente Nyland, Director General, Norwegian Petroleum Directorate

Plastics Sustainability: Meeting the challenge 07:30pm - 09:00pm

Dewey Johnson, VP, Research and Analysis, Chemical, IHS Markit

The Outlook for the Global Economy: A reversion to trend growth—or worse? 07:30pm - 09:00pm

Nariman Behraves, IHS Markit, Chief Economist
Kairat Kelimbetov, Governor, Astana International Financial Centre (AIFC)
Michael S. Klein, Managing Partner, M. Klein and Company
Antony Phillipson, Her Majesty's Trade Commissioner (HMT) for North America, British Consulate General New York
Saad Rahim, Chief Economist, Trafigura

US Energy Abundance and Geopolitics 07:30pm - 09:00pm

Carlos Pascual, Senior Vice President, IHS Markit
Fatih Birol, Executive Director, International Energy Agency
Jason Bordoff, Professor of Professional Practice and Founding Director, Center on Global Energy Policy Columbia University
Francis R. Fannon, Assistant Secretary for the Bureau of Energy Resources (ENR), US Department of State
Meghan L. O'Sullivan, , Harvard University Kennedy School

Workforce of the Future 07:30pm - 09:00pm

Ronnie West, , IHS Markit
Mike Sommers, President and CEO, American Petroleum Institute (API)

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07:30am - 08:30am

Voices of Innovation: Jason Zander

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
Jason Zander, Executive Vice President, Microsoft Corporation

07:30am - 08:40am

Strategic Dialogues (Breakfast) (view more +)**Asian NOCs: Repositioning portfolios for growth** 07:30am - 08:40am

Nick Sharma, Executive Director, Asia Pacific, Upstream Oil and Gas Insight, IHS Markit
Dharmawan Samsu, Upstream Director, PT Pertamina
Shashi Shanker, Chairman and Managing Director, Oil and Natural Gas Corporation

Carbon Price: How critical for decarbonization? 07:30am - 08:40am

Steven Knell, Director, Energy Wide Perspectives, IHS Markit
Raymond J. Kopp, Vice President, Energy and Climate Program, Resources for the Future
Sarah Ladislaw, Senior Vice President and Director, Energy and National Security Program, Center for Strategic and International Studies (CSIS)
Katie Sullivan, Managing Director, International Emissions Trading Association (IETA)

Competing for Upstream Investment: Rewriting Africa's story 07:30am - 08:40am

Daniel Berkove, Senior Associate, Energy, IHS Markit
John Peter Amewu, Minister of Energy, Ministry of Energy, Ghana
Timothy Kabba, Director General, Petroleum Directorate – Office of the President

Andrew N. Kamau, Principal Secretary, State Department of Petroleum, Ministry of Energy and Petroleum
 Gabriel M. Obiang Lima, Minister of Mines and Hydrocarbons, Equatorial Guinea
 Mohamed Abdel Vetah, Minister, Ministry of Petroleum, Energy, and Mining Mauritania

Digitalization: Innovating for lowest costs 07:30am - 08:40am

Pritesh Patel, Executive Director, Capital Costs Analysis Forum, IHS Markit
 André-Marc Luyckx, Upstream Digital Transformation Manager, ExxonMobil
 Karl Johnny Hersvik, Chief Executive Officer, Aker BP
 Derek Mathieson, Chief Marketing and Technology Officer, Baker Hughes
 Judson Jacobs, Executive Director, Upstream Technology, Energy, IHS Markit

Latin Energy: Aiming for competitiveness 07:30am - 08:40am

Bob Fryklund, Chief Upstream Strategist, Energy, IHS Markit
 Felipe Arbelaez, Regional President, Latin America, BP
 Gustavo Baquero, SVP, Operations Technology Excellence, Development and Production International, Equinor
 Décio Oddone, Director-General, Brazilian National Agency of Petroleum, Natural Gas and Biofuels (ANP)

North American Refining: Will it remain an export powerhouse? 07:30am - 08:40am

Kevin Lindemer, Managing Director, Downstream Consulting, Energy, IHS Markit
 Keith Chiasson, Executive Vice-President, Downstream, Cenovus
 Tom Kloza, Global Head of Energy Analysis, Oil Price Information Service (OPIS), IHS Markit
 Robert Kreider, Head of Strategic Management and Development Group, North America, Trafigura

Offshore Revival: Retesting the deep water? 07:30am - 08:40am

Gerald Kepes, Executive Director, Plays and Basins, Upstream Oil and Gas Insight, IHS Markit
 Stephen Greenlee, President, ExxonMobil Exploration Company and Vice President, Exxon Mobil Corporation, ExxonMobil Corporation
 Kevin McLachlan, Senior Vice President Exploration, TOTAL S.A.
 Emeliana Rice-Oxley, Vice President Exploration, Upstream, PETRONAS

Overcoming the constraints: Unlocking Canada's oil and gas potential 07:30am - 08:40am

Kevin Birn, Vice President, North American Crude Oil Market, IHS Markit
 Janet Annesley, Senior Vice President, Corporate Affairs, Husky Energy
 Susannah Pierce, Director External Affairs, LNG Canada
 Steve Reynish, Executive Vice President, Strategy and Operations Services, Suncor Energy

Reinventing Transportation: Buses, transit and fleets 07:30am - 08:40am

Katherine Hardin, Vice President, IHS Markit
 Stephanie Medeiros, Electric Vehicles Charging Infrastructure - Canada, ABB
 Chris Nordh, Senior Director – Advanced Vehicle Technology and Energy Products, Ryder System, Inc.
 Vic Shao, Chief Executive Officer, AMPLY Power

The New Structure of Global Oil 07:30am - 08:40am

Bhushan Bahree, Executive Director, Global Oil, IHS Markit
 David L. Goldwyn, Chairman, Energy Advisory Board, Atlantic Council
 Ibrahim Al-Muhanna, Consultant and Advisor to Saudi Oil Ministry, Ministry of Energy, Industry and Mineral Resources, Saudi Arabia

Wellhead to Water: Getting US oil to market 07:30am - 08:40am

Aaron Brady, Senior Director, Energy, IHS Markit
 Chris Chandler, SVP, Strategic Planning and Acquisitions, Plains All American Pipeline, LP
 Ferris J. Hussein, Managing Director, The Carlyle Group
 Dan House, Head of Physical U.S. Crude Trading, Mercuria Energy Group
 Darryl Rogers, Vice President, Midstream Oil and NGL Research and Consulting, Energy, IHS Markit
 Sean C. Strawbridge, Chief Executive Officer, Port Corpus Christi

08:50am - 09:15am

Welcome and Special Address

Daniel Yergin, Vice Chairman, IHS Markit
 William Clay Ford Jr., Executive Chairman, Ford Motor Company

09:15am - 09:40am

Leadership Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Michael K. Wirth, Chairman of the Board and Chief Executive Officer, Chevron

09:15am - 10:00am

Agora Studios

Renaissance of Biofuels: Opportunities for scale 09:15am - 10:00am

Gauri Jauhar, Executive Director, Integrated Solutions, Energy Wide Perspectives, IHS Markit
 SSV Ramakumar, Director of Research and Development, Indian Oil Corporation
 Vijay Swarup, Vice President of Research and Development, ExxonMobil Research and Engineering Company

Sea Change: Autonomy, automation, offshore and the ocean 09:15am - 10:00am

James Bellingham, Director, Center for Marine Robotics, Woods Hole Oceanographic Institution
 Diana K. Grauer, Director, External Technology Engagement – North America, TechnipFMC

09:15am - 10:00am

Voices of Innovation: How innovative technologies emerge from DOE's research—A

dialogue with National Laboratory leaders

Paul M. Dabbar, Under Secretary for Science, United States Department of Energy (DOE)
 Brian J. Anderson, Director, National Energy Technology Laboratory (NETL)
 Doon Gibbs, Laboratory Director, Brookhaven National Laboratory
 Thomas Zacharia, Laboratory Director, Oak Ridge National Laboratory

09:40am - 10:05am
Leadership Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Sultan Ahmed Al Jaber, Minister of State in the United Arab Emirates, Chief Executive Officer of the Abu Dhabi National Oil, Abu Dhabi National Oil Company (ADNOC)

10:05am - 10:30am
Leadership Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Gary R. Heminger, Chairman and Chief Executive Officer, Marathon Petroleum Corporation

10:30am - 10:55am
Leadership Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Jason Zander, Executive Vice President, Microsoft Corporation

10:30am - 11:15am
Agora Studios

Energy Infrastructure: How vulnerable to cyber attack? 10:30am - 11:15am

Jeff Wilson, ,

The Quiet ICE Revolution: New tech driving new directions 10:30am - 11:15am

Felipe Balieiro, Director of Energy and Mobility, Refining and Marketing, IHS Markit
 Ahmad O. Al-Khowaiter, Chief Technology Officer, Saudi Aramco
 William Green, Hoyt C. Hottel Professor in Chemical Engineering, MIT
 SSV Ramakumar, Director of Research and Development, Indian Oil Corporation

10:30am - 11:15am
Voices of Innovation: Ulrich Spiesshofer

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Ulrich Spiesshofer, President and Chief Executive Officer, ABB Ltd.

10:55am - 11:20am
Leading in the New World of Rivalries

Daniel Yergin, Vice Chairman, IHS Markit

11:35am - 12:35pm
Agora Studios

Collaborative Robots: Robots and humans in the future workplace 11:35am - 12:35pm

Ian Weightman, Senior Vice President, Technology, IHS Markit
 Roger Barga, General Manager, Robotics and Autonomous Services, Amazon Web Services

Is Data the New Oil? 11:35am - 12:35pm

Carolyn Seto, Director, Upstream Technology and Innovation, IHS Markit
 Colette Cohen, Chief Executive Officer, The Oil and Gas Technology Centre
 Craig Hayman, Chief Executive Officer, AVEVA
 Diane Jurgens, Chief Technology Officer, BHP
 Hussein Shel, Azure Global, Principal Program Manager, Microsoft

11:35am - 12:35pm
Strategic Dialogues (view more +)

Asia and Middle East Refining: Racing ahead of demand? 11:35am - 12:35pm

Premasish Das, Senior Director, Energy, IHS Markit
 Jun Fu, Vice President, Sinopec EDR1

Company Strategies for the Energy Transition 11:35am - 12:35pm

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Felipe Bayón Pardo, Chief Executive Officer, Ecopetrol S.A.
 Tomás García Blanco, Executive Managing Director of Exploration and Production, Repsol
 M. Anuar Taib, Executive Vice President and CEO of Upstream, PETRONAS

Eurasian Upstream and the New World Oil Order 11:35am - 12:35pm

Matthew J. Sagers, Executive Director, Energy, IHS Markit
 Kurmangazy Iskazyev, Deputy Chairman of the Management Board, Exploration, Production and Oilfield Services, JSC NC 'KazMunayGas'

Global Hot Spots and Policy Challenges 11:35am - 12:35pm

Carlos Pascual, Senior Vice President, IHS Markit

Dan Dorner, Head of BEIS-FCO International Energy Unit, Department for Business, Energy and Industrial Strategy, Oil and Gas Council
 Francis R. Fannon, Assistant Secretary for the Bureau of Energy Resources (ENR), US Department of State
 Karen Harbert, President and Chief Executive Officer, Global Energy Institute, US Chamber of Commerce
 Elizabeth Rosenberg, Sr. Fellow and Program Director, Center for a New American Security (CNAS)
 Daniel Russell, President and CEO, US-Russia Business Council

Global Upstream Strategies: Diversification versus specialization 11:35am - 12:35pm

Paul Markwell, Vice President, Global Upstream Oil and Gas Insight, IHS Markit
 Katie Jackson, Executive Vice President, Global Strategy and Business Development, Shell
 Maria Moraeus Hanssen, Chief Executive Officer, DEA Deutsche Erdoel AG
 Steve Pastor, President Operations, Petroleum, BHP

Oil Markets: Riding the wild roller coaster 11:35am - 12:35pm

James Burkhard, Chief Researcher, Global Oil Markets and Energy Scenarios, Energy; CERAWEEK Vice Chairman, IHS Markit
 Helen Currie, Chief Economist, ConocoPhillips
 Spencer Dale, Group Chief Economist, BP p.l.c.
 Ben Luckcock, Co-Head of Oil Trading, Trafigura Pte Ltd
 Adam Sieminski, President, King Abdullah Petroleum Studies and Research Center
 Linda Capuano, Administrator, U.S. Energy Information Administration

Retail Fuels Marketing: Back in fashion 11:35am - 12:35pm

Denton Cinquegrana, Chief Oil Analyst, OPIS, IHS Markit
 Bob Espey, President and Chief Executive Officer, Parkland Fuel Corporation
 Alex Jensen, VP of Retail, Europe and Global Marketing, BP
 Jeff Kramer, Managing Director, NRC Realty
 Rob Smith, Director, Refining and Marketing, IHS Markit

Returns versus Growth: Finance and the challenge for US shale 11:35am - 12:35pm

Roger Diwan, Vice President, Financial Services, IHS Markit
 David Foley, Sr. Managing Director and Chief Executive Officer, Blackstone Energy Partners
 Nate Walton, Partner, Co-Head of North American Private Equity, Ares

Sustainability in the Oil and Gas Industry 11:35am - 12:35pm

Susan Farrell, Vice President, Energy-Wide Perspectives, IHS Markit
 Mark Brownstein, Senior Vice President, Energy, Environmental Defense Fund
 Ted Halstead, Chairman and CEO, Climate Leadership Council
 Mike Sommers, President and CEO, American Petroleum Institute (API)
 Bjorn Otto Sverdrup, Senior Vice President, Sustainability, Equinor

The Growing North American Resource Base: How high and how long? 11:35am - 12:35pm

Raoul LeBlanc, Vice President, North American Unconventionals, IHS Markit
 Mark G. Papa, Chairman and Chief Executive Officer, Centennial Resource Development, Inc.
 Timothy E. Perry, Global Co-Head of Oil and Gas Investment Banking, Credit Suisse
 Brian Falik, Chief Investment Officer, Mercuria Energy Group

The IMO Scramble: How big a disruption? 11:35am - 12:35pm

Sandeep Sayal, Vice President, Downstream Energy Research, IHS Markit
 Nicholas Confuorto, President and Chief Operating Officer, CR Ocean Engineering
 Savvas Manousos, Global Head of Trading, Maersk Oil Trading and Investments
 Luca Volta, Marine Fuels Venture Manager, ExxonMobil

Cars and Oil: Reshaping demand 11:35am - 12:35pm

Daniel Evans, Vice President, Global Refining and Marketing Research, IHS Markit
 Ayed S. Al-Qahtani, Director of Research Division, Organization of the Petroleum Exporting Countries (OPEC)
 B. Anand, Chief Executive Officer, Nayara Energy
 Liu ChaoQuan, Vice President, CNPC Economics and Technology Research Institute
 Marianne Kah, Adjunct Senior Research Scholar and Advisory Board Member, Columbia University Center on Global Energy Policy

12:00pm - 05:30pm

Agora Pods: Afternoon Sessions

Tuesday Afternoon Agora Pods 12:00pm - 05:30pm

12:45pm - 02:00pm

Luncheon and Dialogue: New world of rivalries

Daniel Yergin, Vice Chairman, IHS Markit
 Bob Dudley, Group Chief Executive, BP plc

12:45pm - 01:30pm

What's New at Rice: A conversation

Susan Kish, Agora Curator, IHS Markit
 Reginald DesRoches, Dean, George R. Brown School of Engineering, Rice University
 Antonio Merlo, Dean, School of Social Sciences, Rice University
 Peter Rossky, Dean, Wiess School of Natural Sciences, Rice University

02:00pm - 02:25pm

Leadership Dialogue

Daniel Yergin, Vice Chairman, IHS Markit

Joe Kaeser, President and Chief Executive Officer, Siemens AG

02:35pm - 03:10pm

The Future of Mobility

Daniel Yergin, Vice Chairman, IHS Markit
 Ulrich Spiesshofer, President and Chief Executive Officer, ABB Ltd.

02:45pm - 03:45pm

Agora Studios

Digital Ledgers: Oil and gas supply chain 02:45pm - 03:45pm

Tomicah Tillemann, Chairman, Global Blockchain Business Council
 Andrew N. Bruce, Chief Executive Officer, Data Gumbo
 Rebecca Hofmann, US Blockchain Strategy and Innovation, Equinor US
 John Kingston, FreightWaves Editor at Large; Community Engagement, Blockchain in Transport Alliance, FreightWaves

Models of Innovation: Today and tomorrow 02:45pm - 03:45pm

Nick Lowes, Vice President, Oil and Gas Consulting, Energy, IHS Markit
 John Gibson, Senior Advisor, Tudor Pickering Holt and Co.
 Reed Sturtevant, General Partner, The Engine
 Barbara Burger, President, Technology Ventures, Chevron

03:15pm - 04:00pm

Downstream: Competing through the cycles

Kurt Barrow, Vice President, Oil Markets, Midstream and Downstream Insights, IHS Markit
 Abdulaziz Abdulla Alhajri, Executive Director, Downstream Directorate, Abu Dhabi National Oil Company (ADNOC)
 Tufan Erginbilgic, Chief Executive, Downstream, BP p.l.c.
 Sanjiv Singh, Chairman, Indian Oil Corporation Ltd. (IOCL)

03:15pm - 04:00pm

North American Shale: Taking on the world

Raoul LeBlanc, Vice President, North American Unconventionals, IHS Markit
 Matt Fox, Executive Vice President and Chief Operating Officer, ConocoPhillips
 Lee Tillman, President and CEO, Marathon Oil Corporation

04:10pm - 04:55pm

Global Oil Ministerial Dialogue

Carlos Pascual, Senior Vice President, IHS Markit
 Kanat Bozumbayev, Minister of Energy, Republic of Kazakhstan
 MM Kutty, Secretary, Ministry of Petroleum and Natural Gas, Government of India
 Gustavo Lopetegui, Secretary of Energy, Argentina
 Luis Miguel Morelli, President, National Hydrocarbon Agency (ANH)

04:10pm - 04:55pm

Future of the Global Upstream

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Al Cook, EVP, Global Strategy and Business Development (GSB), Equinor
 Daniel Cristian Gonzalez Casartelli, Chief Executive Officer, YPF
 Gretchen Watkins, President, Shell Oil Company, Executive Vice President, Shell Upstream Unconventionals, Shell Oil Company
 Vadim Yakovlev, Deputy Chairman of the Management Board, First Deputy CEO, Gazprom Neft

04:15pm - 05:15pm

Agora Studios

EV Battery Supply Chain: Scale, geography and recycling 04:15pm - 05:15pm

Henning Wicht, Executive Director Consulting, IHS Markit
 Morgan D. Bazilian, Director, Payne Institute and Professor of Public Policy, Colorado School of Mines
 Jonas Moberg, Global Head of Corporate Affairs, Trafigura
 Martín Pérez de Solay (I.ENG), CEO and Managing Director, Orocobre Limited
 Paul K. Kearns, Laboratory Director, Argonne National Laboratory

Transforming the Upstream Business through Data Twins 04:15pm - 05:15pm

Oscar Abbink, Director Upstream Research Group, IHS Markit
 Jim Claunch, Vice President, Business Efficiency, Equinor
 John Markus Lervik, Co-Founder and Chief Executive Officer, Cognite AS

Voices of Innovation 04:15pm - 05:15pm

05:05pm - 05:45pm

Game-changing Technologies for Oil and Gas

Paul Markwell, Vice President, Global Upstream Oil and Gas Insight, IHS Markit
 Ashok Belani, Executive Vice President of Technology, Schlumberger Limited
 Peter Herweck, Executive Vice President Industry Business and Member of the Executive Committee, Schneider Electric
 Vijay Swarup, Vice President of Research and Development, ExxonMobil Research and Engineering Company

05:05pm - 05:45pm

Eastern Mediterranean Gas Renaissance

Michael Stoppard, Chief Strategist, Global Gas, Energy; CERAWEEK Vice Chairman, IHS Markit

Tarek El Molla, Minister of Petroleum and Mineral Resources, The Egyptian Ministry of Petroleum
 Yiorgos Lakkotrypīs, Minister of Energy, Commerce and Industry, Republic of Cyprus
 George Stathakis, Minister, Ministry of Environment, Energy and Climate, Greece
 Yuval Steinitz, Minister of Energy, Israel

05:30pm - 06:30pm

Agora Studios
Industrial Energy Efficiencies: The path to decarbonization 05:30pm - 06:30pm

Catherine Robinson, Executive Director, IHS Markit
 Pratima Rangarajan, Chief Executive Officer, OGCI Climate Investments

Trading and Risk Management: Blockchain and beyond 05:30pm - 06:30pm

Brad Levy, Senior Vice President, Global Head of Loans at IHS Markit and Chief Executive Officer of MarkitSERV, IHS Markit
 Rana Basu, Chief Operating Officer, Ondiflo
 Dan M. Berkovitz, Commissioner, U.S. Commodity Futures Trading Commission (CFTC)
 Alistair Cross, Chief Operations Officer, Mercuria Energy Group
 Lyon Hardgrave, Vice President, Business and Product Development, VAKT Global Ltd.

06:30pm - 07:30pm

Conference-wide Reception

07:30pm - 09:00pm

Dinner and Dialogue

Daniel Yergin, Vice Chairman, IHS Markit

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07:30am - 08:35am

Strategic Dialogues (Breakfast) (view more +)
CCUS for EOR: What is the potential? 07:30am - 08:35am

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Nasir B. Darman, Chief Technology Officer, Petronas
 Yoshiaki Ueda, Chief Technical Officer, JX Nippon Oil and Gas Exploration Corporation
 Steven Winberg, Assistant Secretary Fossil Energy, United States Department of Energy

Domestic Gas Pricing in Asia: How to accommodate new supply? 07:30am - 08:35am

Jenny Yang, Director, China Power, Gas, Coal and Renewables, IHS Markit
 Gang Chen, Chairman and CEO Assistant, Shanghai Petroleum and Natural Gas Exchange
 Kunio Nohata, Member of the Board and Senior Executive Officer, Tokyo Gas
 Prabhat Singh, Managing Director and Chief Executive Officer, Petronet LNG Ltd.

European Gas: Competition for markets 07:30am - 08:35am

Laurent Ruseckas, Senior Advisor, Eurasian Gas, IHS Markit
 Paul Corcoran, Chief Financial Officer, Nord Stream 2 AG
 Thomas Earl, Chief Commercial Officer, Venture Global Marketing LLC
 Paula Pinho, Head, Energy Policy Coordination Unit, European Commission

India's Energy Security: Choices in affordability and sustainability 07:30am - 08:35am

Gauri Jauhar, Executive Director, Integrated Solutions, Energy Wide Perspectives, IHS Markit
 Rajeev Kumar Mathur, Executive Director (Corporate Affairs, Risk Management and OSD to CMD), GAIL India Limited
 Mike Train, President, Emerson; Chairman, Emerson Automation Solutions, Emerson

LNG: Reaching project sanction through cost management and innovation 07:30am - 08:35am

Robert Ineson, Managing Director, Energy, IHS Markit
 Hiroaki Osaki, President, Oil and Gas Division, Mitsubishi Heavy Industries America (MHIA)
 Iain Ross, Chief Executive Officer, Golar Management Limited
 Andrew Walker, Vice President, LNG Strategy and Communications, Cheniere Energy
 Marcos Browne, Executive Vice President Gas and Power, YPF

North America Unconventionals: Is anybody making money? 07:30am - 08:35am

Raoul LeBlanc, Vice President, North American Unconventionals, IHS Markit

North American Gas Market: A market outlook for 2019 07:30am - 08:35am

Samuel J. Andrus, Executive Director, Energy, IHS Markit
 Corey Grindal, Senior Vice President, Gas Supply, Cheniere Energy
 Donald 'Blue' Jenkins, EVP, Commercial, Business Development, Information Technology and Safety, EQT Corporation
 John Schultz, President, Centrica North America and Direct Energy Business, Centrica

Renewables and Gas Integration: Is there an efficient frontier? 07:30am - 08:35am

Timothy Gardner, Vice President, Power and Gas Consulting, IHS Markit

Ganesh Bell, President, Uptake
 Joe M. Kang, President, International Gas Union (IGU)
 Claudia Squeglia, Vice President, Positioning Strategies and Legislative Analysis, ENI
 Robert Yeager, President, Power and Water Solutions, Emerson

South American Gas in Search of Demand 07:30am - 08:35am

Roberto Ferreira da Cunha, Associate Director, Latin America Gas and Power, Energy, IHS Markit
 R. Blair Thomas, Chairman and CEO, EIG Global Energy Partners
 Márcio Félix, Secretary of Oil, Gas and Biofuels, Ministry of Mines and Energy, Brazil

The Rise of Low Carbon Intensity Biofuels? 07:30am - 08:35am

Kevin Lindemer, Managing Director, Downstream Consulting, Energy, IHS Markit
 Dan Szeezil, Lead Sales Specialist at Envergent Technologies, Honeywell UOP

07:30am - 08:30am

Pioneers Breakfast 1

Carolyn Seto, Director, Upstream Technology and Innovation, IHS Markit
 Stephane Germain, President and CEO, GHGSat
 R. Matthew Ondler, President / CEO, Houston Mechatronics
 Matt Thomas, Chief Executive Officer, JP3
 John van Pol, Chief Executive Officer and Co-Founder, Ingu Solutions

07:30am - 08:30am

Voices of Innovation: Lord John Browne

John Browne, Executive Chairman, L1 Energy
 Lance Uggla, Chairman of the Board and Chief Executive Officer, IHS Markit

08:45am - 09:05am

Ministerial Dialogue

Daniel Yergin, Vice Chairman, IHS Markit

09:00am - 12:00pm

Agora Pods: Morning Sessions

Rebellion Photonics, a Rice Innovator 09:00am - 09:30am

Robert Kester, Chief Executive Officer and Co-Founder, Rebellion Photonics

Syzygy Plasmonics, a TPH Disruptor Company 09:30am - 10:00am

Trevor Best, Chief Executive Officer, Syzygy Plasmonics, a TPH Disruptor Company

Pioneer - GHG Sat 10:00am - 10:30am

Stephane Germain, President and CEO, GHGSat

Exploring System Value of Energy Storage in Low Carbon Grids 10:00am - 10:30am

Dharik Mallapragada, Postdoctoral Associate, MIT Energy Initiative

Pioneer - JP3 10:30am - 11:00am

Matt Thomas, Chief Executive Officer, JP3

Pioneer - Houston Mechatronics 11:00am - 11:30am

R. Matthew Ondler, President / CEO, Houston Mechatronics

Pioneer - Ingu 11:30am - 12:00pm

John van Pol, Chief Executive Officer and Co-Founder, Ingu Solutions

IndianOil's Technology Offerings Towards Decarbonisation 11:30am - 12:00pm

SSV Ramakumar, Director of Research and Development, Indian Oil Corporation

09:00am - 10:00am

Agora Studios

EV Charging: Business models and players of the future 09:00am - 10:00am

Egil Juliussen, Research and Analysis Director, R and A, IHS Markit
 Michael Ableson, Vice President, Electric Vehicle Charging and Infrastructure, General Motors Corporation
 Sergej Mahnovski, Director, Growth and Innovation, Edison International
 Cathy Zoi, Chief Executive Officer, EVgo
 Jordan Ramer, Chief Executive Officer, EV Connect

Life on the Edge: The computing revolution 09:00am - 10:00am

Cliff Grossner, Senior Research Director, IHS Markit
 Sujit Kumar, President, Agora, Schlumberger Limited

Voices of Innovation 09:00am - 10:00am

09:05am - 09:50am

The Energy Company of the Future

Michael Stoppard, Chief Strategist, Global Gas, Energy; CERAWEEK Vice Chairman, IHS Markit
 Iain Conn, Chief Executive Officer, Centrica

Josu Jon Imaz San Miguel, Chief Executive Officer, Repsol S.A.
 Wan Zulkiflee Wan Ariffin, President and Group Chief Executive Officer, PETRONAS

09:50am - 10:35am
Global Gas Innovators

Shankari Srinivasan, Vice President, Energy, IHS Markit
 Mark Gyetvay, Chief Financial Officer and Deputy Chairman of the Management Board, PAO NOVATEK
 Charif Souki, Chairman of the Board, Tellurian
 Lorenzo Simonelli, Chairman and CEO, Baker Hughes, a GE company (BHGE)

10:30am - 11:15am
Agora Studios

Decarbonization of Power: Which Technologies Will Make a Difference? 10:30am - 11:15am

Philippe Frangules, Vice President, Energy, IHS Markit
 Katherine Hamilton, Chair, 38 North Solutions

The Future of Ride-hailing and Mobility as a Service 10:30am - 11:15am

Tom De Vleeschauwer, Senior Director, Automotive, IHS Markit
 Johann Jungwirth, Executive Vice President Mobility Services, Volkswagen Group of America
 Aric Ohana, Co-Founder, Envoy There
 Kristopher Luey, Client Success Manager, Vulog

Voices of Innovation 10:30am - 11:15am

10:35am - 11:20am
Future of Global Gas

Simon Blakey, Advisor, Global Gas, IHS Markit
 Robert Pender, Co-CEO, Co-Chairman and Founder, Venture Global LNG
 Michael Smith, Chairman, CEO and Founder, Freeport LNG
 B. C. Tripathi, Chairman and Managing Director, GAIL India Limited

11:30am - 12:30pm
Agora Studios

Digital Skills and the Workforce 11:30am - 12:30pm

Susan Kish, Agora Curator, IHS Markit

Storm over Plastics: Innovative technology solutions 11:30am - 12:30pm

Dewey Johnson, VP, Research and Analysis, Chemical, IHS Markit
 Mircea Dinc, Associate Professor of Chemistry, MIT
 Scott M. Gallagher, Associate Scientist, Woods Hole Oceanographic Institution

11:30am - 12:30pm
Strategic Dialogues (view more +)

Developing Gas-to-Power and the LNG Value Chain in Asia 11:30am - 12:30pm

Xizhou Zhou, Managing Director, IHS Markit
 Gaku Takagi, Senior Vice President, Value Chain Business Development, JERA Co.
 Didik Sasongko Widi, President Director and CEO, PT Badak NGL

Development in the Arctic: Opportunities and challenges 11:30am - 12:30pm

Gautam Sudhakar, Director, Global LNG, IHS Markit
 Dan Domeracki, Vice President, Government and Industry Relations, Schlumberger Limited
 Nikolai Lyngø, Senior Vice President and Head of Corporate Strategy, Equinor

The Future of EV Adoption, Investment and Innovation 11:30am - 12:30pm

James Burkhard, Chief Researcher, Global Oil Markets and Energy Scenarios, Energy; CERAWEEK Vice Chairman, IHS Markit
 Michael Berube, Acting Deputy Assistant Secretary, U.S. Department of Energy
 Adam Jonas, Managing Director, Morgan Stanley
 Cathy Zoi, Chief Executive Officer, EVgo

Global LNG: Seeking producer and buyer alignment 11:30am - 12:30pm

Terrell Benke, Senior Director, Global Gas and LNG Group, Energy, IHS Markit
 Jane Liao, Chief Executive Officer, CPC Corporation, Taiwan
 Michael Sabel, Co-Chief Executive Officer, Co-Chairman and Founder, Venture Global LNG
 Hiroki Sato, Senior Executive Vice President, Chief LNG Transaction Officer, JERA Co.
 Alessandro Della Zoppa, Executive Vice President LNG, Eni

How Will LNG Infrastructure Be Financed? 11:30am - 12:30pm

Andy Barrett, Senior Advisor, Global Gas and Power, Energy, IHS Markit
 Salim G. Samaha, Partner, Global Infrastructure Partners
 Roberto Simon, Managing Director, Head of Natural Resources and Infrastructure, Americas, Société Générale

New Applications for Gas: Marine and road transport 11:30am - 12:30pm

Andres Rojas, Research and Analysis Associate Director, IHS Markit
 Stephen Cadden, Chief Operating Officer, SEA-LNG
 Dick Brown, Chief Executive Officer, Eagle LNG Partners

Zackarie Fortin-Brazeau, Business Development Manager, Avenir LNG

North American Gas Infrastructure: Keeping pace with gas production in the Permian? 11:30am - 12:30pm

Matthew Palmer, Research and Analysis Manager, Global Gas, IHS Markit
 Cynthia Walker, Senior Vice President of Marketing and Midstream Operations and Development, Occidental Petroleum Corporation
 Dave Tredinnick, Group President, Flow Solutions, Emerson

The Case for Hydrogen in the Energy Transition 11:30am - 12:30pm

Shankari Srinivasan, Vice President, Energy, IHS Markit
 Bill Elrick, Executive Director, CaFCP
 Yuri Freedman, Senior Director of Business Development, Southern California Gas Company

The New Energy Push: Opportunities in clean tech? 11:30am - 12:30pm

Edurne Zoco, Research and Analysis Director, Solar and Energy Storage, Energy Technology, IHS Markit
 Mohamed Firouz Asnan, Senior Vice President, Corporate Strategy, PETRONAS

The Shift to LNG Trading 11:30am - 12:30pm

Leigh Thomas, Director, LNG and Gas, IHS Markit
 Andree Stracke, Chief Commercial Officer (Origination), RWE Supply and Trading GmbH
 Jonathan Westby, Co-Managing Director EM and T and Global Head of LNG, Centrica

12:00pm - 12:45pm

Geo-engineering: How real and how immediate?

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 David W. Keith, Professor of Applied Physics and Professor of Public Policy, Harvard Kennedy School, Harvard University John A. Paulson School of Engineering and Applied Sciences
 Steven E. Koonin, University Professor, New York University

12:40pm - 01:55pm

Luncheon and Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Rick Perry, Secretary of Energy, United States Department of Energy

12:45pm - 01:30pm

What's New at MIT: A conversation

Susan Kish, Agora Curator, IHS Markit
 Robert C. Armstrong, Director, MIT Energy Initiative, Chevron Professor of Chemical Engineering, MIT
 Christoph Reinhart, Professor and Director, Building Technology Program, MIT

12:45pm - 01:30pm

Voices of Innovation: Atul Arya

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Vaclav Smil, Distinguished Professor Emeritus, University of Manitoba

01:55pm - 02:40pm

Next Wave of LNG

Michael Stoppard, Chief Strategist, Global Gas, Energy; CERAWEEK Vice Chairman, IHS Markit
 Andy Calitz, Chief Executive Officer, LNG Canada
 Peter J. Coleman, CEO and Managing Director, Woodside Petroleum
 Philippe Sauquet, President, Gas, Renewables and Power and President, Strategy-Innovation, TOTAL

02:00pm - 03:00pm

Agora Studios

Innovation: The energy city of the future 02:00pm - 03:00pm

Carlos Pascual, Senior Vice President, IHS Markit
 Michael Savage, Mayor, Halifax Regional Municipality
 Christine Sagen Helgø, Mayor, City Of Stavanger
 Alejandro Char, Mayor, Barranquilla, Colombia
 Sylvester Turner, Mayor, City of Houston

What Does the Hydrogen Transportation Economy Look Like? 02:00pm - 03:00pm

Barney Crockett, Lord Provost of Aberdeen City, Aberdeen City Council
 Bashir Dabbousi, Director, Technology Strategy and Planning, Saudi Aramco
 Bill Elrick, Executive Director, CaFCP

Voices of Innovation 02:00pm - 03:00pm

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit

02:30pm - 05:30pm

Agora Pods: Afternoon Sessions

WHOI - Plastics Talk 02:30pm - 03:00pm

Scott M. Gallagher, Associate Scientist, Woods Hole Oceanographic Institution

Decarbonization - From All Electric Ferries to Offshore Rigs 02:30pm - 03:00pm

Stig Olav Settemsdal, CTO Offshore Solutions, Siemens

Shipping Smarter at Aramco: Using Digital Knowledge to Create new opportunities in Transport and Logistic **03:00pm - 03:30pm**

Bilal Abdallah, Account Executive, Aramco Trading Co.

Maximizing Value from Gas and Coal Plants - A Digital Approach **03:00pm - 03:30pm**

NuMat Technologies, a Rice Innovator **04:00pm - 04:30pm**

Ben Hernandez, Co-Founder, CEO, NuMat Technologies

Demand Response: The future of energy efficiency in the power sector **04:30pm - 05:00pm**

Ian Schneider, Research Assistant, Laboratory for Information and Decision Systems, PhD Candidate, MIT

Autonomous Shipping and the Future of Maritime Transportation **05:00pm - 05:30pm**

Mikko Lepisto, Digital Lead, Marine and Ports, ABB

02:50pm - 03:35pm

Global Ministerial Dialogue

Carlos Pascual, Senior Vice President, IHS Markit

Bento Costa Lima Leite de Albuquerque, Minister of Mines and Energy, Brazil

María Fernanda Suárez Londoño, Minister of Mines and Energy, Ministry of Mines and Energy, Colombia

Rocío Nahle García, Secretary of Energy, Mexico

Amarjeet Sohi, Minister of Natural Resources, Government of Canada

02:50pm - 03:35pm

Methane Emissions: Getting to zero

Daniel Yergin, Vice Chairman, IHS Markit

Staal Gjervik, Incoming President, XTO Energy

Fred Krupp, President, Environmental Defense Fund (EDF)

Bernard Looney, Chief executive, Upstream, BP plc

03:30pm - 04:30pm

Agora Studios

Voices of Innovation **03:30pm - 04:30pm**

Financing Innovation Across the Energy System **03:30pm - 04:30pm**

Timothy Gardner, Vice President, Power and Gas Consulting, IHS Markit

Emily Reichert, Chief Executive Officer, Greentown Labs

Rhea Hamilton, Ventures Director, OGCI Climate Investments

Planes, Trucks and Ships: Reinventing transportation **03:30pm - 04:30pm**

Daniel Evans, Vice President, Global Refining and Marketing Research, IHS Markit

03:30pm - 04:10pm

Pathways to Technology Transformation

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit

Çalayan Arkan, Senior Vice President for Manufacturing and Resources Industry, Microsoft Corporation

Gregory P. Leveille, Chief Technology Officer, ConocoPhillips

03:30pm - 04:10pm

The New North American Renewables Powerhouse

Shankari Srinivasan, Vice President, Energy, IHS Markit

04:15pm - 04:55pm

CCUS Strategies and Business Models

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit

Sally M. Benson, Director, Global Climate and Energy Project; Professor, Energy Resources Engineering, Stanford University, Co-Director, Precourt Institute for Energy;

Susan Dio, Chairman and President of BP America, BP

Mark W. Menezes, Under Secretary of Energy, United States Department of Energy

04:15pm - 04:55pm

Growth in Petrochemicals: Risks and opportunities

Mark Eramo, Vice President, Global Business Development – Energy and Chemicals, IHS Markit

James R. Fitterling, Chief Executive Officer, The Dow Chemical Company

David Witte, Senior Vice President; Division Head, Energy and Chemicals, IHS Markit

04:30pm - 05:30pm

Agora Studios

How Will Quantum Computing Impact Energy—and When? **04:30pm - 05:30pm**

Ian Weightman, Senior Vice President, Technology, IHS Markit

New Energy Technology Pathways for China **04:30pm - 05:30pm**

Xizhou Zhou, Managing Director, IHS Markit

Valerie Karplus, Assistant Professor, Global Economics and Management Group, Sloan School of Management, MIT

04:30pm - 05:30pm

Voices of Innovation: Robert C. Armstrong

 Robert C. Armstrong, Director, MIT Energy Initiative, Chevron Professor of Chemical Engineering, MIT
 Vijay Swarup, Vice President of Research and Development, ExxonMobil Research and Engineering Company

05:05pm - 05:45pm

How Technology is Creating Business Value

 Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Mike Train, President, Emerson; Chairman, Emerson Automation Solutions, Emerson

05:45pm - 06:30pm

European Gas Transit: A tangled knot

 Simon Blakey, Advisor, Global Gas, IHS Markit
 Andriy Kobolyev, Chief Executive Officer, Naftogaz of Ukraine
 Thilo Wieland, Executive Director, Exploration and Production in Russia, North Africa and South America, Wintershall

05:45pm - 06:30pm

Nuclear Fission: New pathways

 Rita Baranwal, Director, Gateway for Accelerated Innovation in Nuclear (GAIN), Idaho National Laboratory
 Jacopo Buongiorno, Professor, Nuclear Science and Engineering; Director, CANES, Massachusetts Institute of Technology
 Robert Ethier, Vice President, Market Operations, ISO New England
 Clay Sell, Chief Executive Officer, X-Energy
 Robert Stoner, Deputy Director for Science and Technology, MIT Energy Initiative

05:45pm - 06:30pm

Building Tomorrow's North American Infrastructure

 Daniel Yergin, Vice Chairman, IHS Markit
 Bernard L. McNamee, Commissioner, Federal Energy Regulatory Commission
 A.J. (Jim) Teague, Director and Chief Executive Officer, Enterprise Products Partners L.P.
 David N. Farr, Chairman and Chief Executive Officer, Emerson

06:30pm - 07:30pm

Conference-wide Reception

07:30pm - 09:00pm

Dinner and Dialogue: Women in Energy

 Susan Farrell, Vice President, Energy-Wide Perspectives, IHS Markit
 Patti Poppe, President and Chief Executive Officer, CMS Energy
 Emeliana Rice-Oxley, Vice President Exploration, Upstream, PETRONAS
 Fiona Wild, Vice President Sustainability and Climate Change, BHP

Thursday March, 14

07:30am - 08:45am

Strategic Dialogues (Breakfast) (view more +)
Coal's Capital Challenges: Cost, availability and investment horizons 07:30am - 08:45am

 Jim Thompson, Senior Director, Coal, Energy, IHS Markit
 Ted O'Brien, Capital Markets and Marketing, Xcoal Energy and Resources

Distributed Energy Resources: New opportunities and challenges at the grid edge 07:30am - 08:45am

 Meg McIntosh, Senior Director, Energy, IHS Markit
 Frank Demaille, President and CEO, ENGIE North America
 Emily Heitman, Vice President, US and Canada, Schneider Electric

Grid Interconnectivity and Cities 07:30am - 08:45am

 Wade Shafer, Associate Director, Power, Gas, Coal, and Renewables, IHS Markit
 Jay Allardyce, Executive Vice President - Industry, Product and Partnerships, Uptake Technologies

Investment Opportunities in a Decarbonized Europe 07:30am - 08:45am

 Coralie Laurencin, Research and Analysis Associate Director, Global Gas, IHS Markit
 Kunal Chandra, Vice President, New Energy Businesses, Siemens Power and Gas
 Holger Lösch, Deputy Director General, German Industry Association (BDI)
 Paula Pinho, Head, Energy Policy Coordination Unit, European Commission
 Maxim Timchenko, Chief Executive Officer, DTEK, LLC

Latin American Power Auctions: Optimizing for sustainability and reliability? 07:30am - 08:45am

 Lisa Pearl, Managing Director, Americas Power, Gas, Coal and Renewables, IHS Markit
 Justin DeAngelis, Partner, Denham Capital
 Tristan Grimbert, President and Chief Executive Officer, EDF Renewables Energy

Offshore Wind: The new frontier 07:30am - 08:45am

Eduard Sala de Vedruna, Executive Director, Global Power and Renewables, Energy, IHS Markit
 Christer Af Geijerstam, President, US Offshore Wind, Equinor
 Philippe Kavafyan, Chief Executive Officer, MHI Vestas Offshore Wind

Positioning Renewables in Asia: Finding the right policy mix 07:30am - 08:45am

Zhi Xin Chong, Associate Director, IHS Markit
 Toshiro Kudama, Senior EVP, Chief Power Development Officer, JERA Co.
 Eric Luo, Chairman and Chief Executive Officer, GCL System Integration Technology
 Bernard Nee, Deputy Chief Executive, Energy Market Authority of Singapore

Texas: Passing the stress test? 07:30am - 08:45am

Michael Pickens, Associate Director, Energy, IHS Markit
 Sara Graziano, SVP of Corporate Development, Vistra Energy
 Jim Greer, Executive Vice President and Chief Operating Officer, Oncor
 Bill Magness, President and Chief Executive Officer, Electric Reliability Council of Texas (ERCOT)
 Sid Sachdeva, Chief Executive Officer, Innowatts

07:30am - 08:30am
Agora Studios
Nature-based Solutions 07:30am - 08:30am

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Fiona Wild, Vice President Sustainability and Climate Change, BHP

Pioneers Breakfast 2 07:30am - 08:30am

Merrick Kerr, Chief Commercial Officer, Energy Vault
 Andrew Scott, Chief Executive Officer, Orbital Marine Power Ltd

Voices of Innovation 07:30am - 08:30am
09:00am - 11:30am
Agora Pods: Morning Sessions
Pioneer - Ohm Connect 09:00am - 09:30am
Pioneer - Orbital Marine 09:30am - 10:00am

Andrew Scott, Chief Executive Officer, Orbital Marine Power Ltd

Pioneer - Energy Vault 10:00am - 10:30am

Merrick Kerr, Chief Commercial Officer, Energy Vault

Stanford: Catalysis or synthetic fuels 10:00am - 10:30am
Energy Web Foundation 10:30am - 11:00am

Hervé Touati, Co-founder and Chief Executive Officer, Energy Web Foundation

SESAME: Sustainable Energy Systems Analysis Modeling Environment 11:00am - 11:30am

Emre Gençer, Research Scientist, MIT Energy Initiative, MIT

Wholistic Overview of DER: Economics and distributional impacts 11:30am - 12:00am

Scott Burger, PhD Candidate, Research Associate and MITe Energy Fellow, MIT

09:00am - 10:00am
State of the North America Power Business

Lawrence J. Makovich, Vice President and Senior Advisor, Energy; CERAWEEK Vice Chairman, IHS Markit
 Mauricio Gutierrez, Chief Executive Officer, NRG Energy
 Curtis A. Morgan, President and Chief Executive Officer, Vistra Energy
 Eric E. Silagy, President and Chief Executive Officer, Florida Power and Light Company

09:00am - 10:00am
Agora Studios
Integrated Transport Systems for the Future City 09:00am - 10:00am

Katherine Hardin, Vice President, IHS Markit
 Mohd Najib Mohd, , Kuala Lumpur
 Aric Ohana, Co-Founder, Envoy There
 Adie Tomer, Fellow - Metropolitan Policy Program, Brookings Institution
 Abe Yokell, Co-Founder and Managing Partner, Congruent Ventures

Voices of Innovation 09:00am - 10:00am
Solar Plus Storage: Winning combination? 09:00am - 10:00am

Philippe Frangules, Vice President, Energy, IHS Markit

10:00am - 11:00am
Global Power and Renewables: New competitive landscape

Daniel Yergin, Vice Chairman, IHS Markit

Hendrik Gordenker, Executive Chairman, JERA Co. Inc.
 Paddy Padmanathan, Chief Executive Officer and President, ACWA Power International

10:30am - 11:15am

Agora Studios
The Quest for Better Batteries 10:30am - 11:15am

Sam Wilkinson, Associate Director, Solar and Energy Storage Research, IHS Markit
 Henrik Fisker, Founder, Chairman and CEO, Fisker
 Mateo Jaramillo, CEO and Co-Founder, Form Energy

Urban Resilience in a Changing Climate 10:30am - 11:15am

Susan Farrell, Vice President, Energy-Wide Perspectives, IHS Markit
 John Berger, Chief Executive Officer, Sunnova Energy Corporation
 Gil C. Quiniones, President and Chief Executive Officer, New York Power Authority (NYPA)

10:30am - 11:15am

Voices of Innovation: Dr. Venkat Sumantran

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 V. Sumantran, Chairman, Celeris Technologies

11:30am - 12:30pm

Strategic Dialogues (view more +)
Battery Storage for the Grid: Climbing the growth curve 11:30am - 12:30pm

Sam Huntington, Senior Research Analyst, PGCR, IHS Markit
 James (Jim) Hughes, CEO and Managing Director, Prisma Energy Capital
 Roger Kranenburg, Vice President, Energy Strategy and Policy, Eversource Energy

Emerging Economies: Reinventing the power sector in Africa 11:30am - 12:30pm

Andy Barrett, Senior Advisor, Global Gas and Power, Energy, IHS Markit
 Claver Gatete, Minister of Infrastructure, Ministry of Infrastructure of Rwanda
 Jonathan Hoffman, Managing Director Business Development; Head of Southern Africa, Globaleq
 Riccardo Puliti, Senior Director, Energy and Extractive Industries Global Practice, The World Bank
 Frehiwot Woldehanna, State Minister of Water, Irrigation and Energy, Government of Ethiopia

EV Charging Infrastructure: How will it develop? 11:30am - 12:30pm

Katherine Hardin, Vice President, IHS Markit
 Alex Gruzen, Chief Executive Officer, WITricity
 Vic Shao, Chief Executive Officer, AMPLY Power
 Katie Sloan, Director of eMobility, Southern California Edison

Financing Power: Adjusting to the new risk profile 11:30am - 12:30pm

Timothy Gardner, Vice President, Power and Gas Consulting, IHS Markit
 Steven Winn, Chief Development Officer, JERA Americas
 Jeffrey Holzschuh, Chairman, Institutional Securities Group, Morgan Stanley

Global Solar: Shifting the focus from cost to value 11:30am - 12:30pm

Francesco d'Avack, Senior Analyst, Global Renewables, IHS Markit
 John Berger, Chief Executive Officer, Sunnova Energy Corporation
 Emily Heitman, Vice President, US and Canada, Schneider Electric

Meeting the World's Growing Appetite for Coal: Future supply sources? 11:30am - 12:30pm

James Stevenson, Senior Director, Global Coal, Energy, IHS Markit
 Caoilin Chestnutt, Resources Investment Commissioner, Queensland Department of Natural Resources, Mines and Energy
 David Lawson, Vice President, Norfolk Southern
 Jack Porco, President and Chief Commercial Officer, Xcoal Energy and Resources

Powering South and Southeast Asia's Growth: Coal, gas, renewables? 11:30am - 12:30pm

Ilke Karayigitoglu, Research and Analysis Director, Marina View, IHS Markit
 Kian Min Low, Chief Development Officer, JERA Energy Development Asia, JERA Co.
 Nicholas J. Cron, General Manager, Portfolio Optimization and Marketing, Xcoal Energy and Resources

Wholesale Power Market Evolution 11:30am - 12:30pm

Douglas Giuffre, Director, Energy, IHS Markit
 John R. Bear, Chief Executive Officer, Midcontinent Independent System Operator (MISO)
 Robert Ethier, Vice President, Market Operations, ISO New England
 Bill Magness, President and Chief Executive Officer, Electric Reliability Council of Texas (ERCOT)
 Andy Ott, President and Chief Executive Officer, PJM Interconnection

11:30am - 12:30pm

Voices of Innovation: Dr. Arun Majumdar

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Arun Majumdar, Co-Director, Precourt Institute for Energy, Stanford University, Jay Precourt Provostial Chair Professor, Department of Mechanical Engineering

11:30am - 12:30pm

Agora Studios

Hydrogen: What role in heat and power? 11:30am - 12:30pm

Catherine Robinson, Executive Director, IHS Markit
 Kunal Chandra, Vice President, New Energy Businesses, Siemens Power and Gas
 Didier Holleaux, Executive Vice President, ENGIE

Carbon Buildings: A scalable market for hydrocarbons 11:30am - 12:30pm

Dewey Johnson, VP, Research and Analysis, Chemical, IHS Markit
 Mark Goulthorpe, Associate Professor Department of Architecture, MIT
 Michael Lepech, , Stanford University
 Carl Mesters, Chief Scientist Chemistry and Catalysis, Shell

12:45pm - 02:00pm
Luncheon and Dialogue

Daniel Yergin, Vice Chairman, IHS Markit
 Neil Chatterjee, Chairman, Federal Energy Regulatory Commission (FERC)

12:45pm - 01:15pm
Voices of Innovation Luncheon: Henrik Fisker

Henrik Fisker, Founder, Chairman and CEO, Fisker

12:45pm - 01:15pm
What's New at Stanford: A Conversation
02:00pm - 02:30pm
Agora Pods: Afternoon Sessions

CarbonHouse: A new paradigm of global building production 02:00pm - 02:30pm
 Mark Goulthorpe, Associate Professor Department of Architecture, MIT

02:00pm - 03:00pm
Agora Studios
Blockchain and the Power Consumer: Myth or reality? 02:00pm - 03:00pm

Eduard Sala de Vedruna, Executive Director, Global Power and Renewables, Energy, IHS Markit
 Joanna Hubbard, COO and Co-founder, Electron
 Lawrence Orsini, Chief Executive Officer, LO3 Energy
 Hervé Touati, Co-founder and Chief Executive Officer, Energy Web Foundation

Powering the Cities of the Future 02:00pm - 03:00pm

Roger Kranenburg, Vice President, Energy Strategy and Policy, Eversource Energy
 Steven E. Koonin, University Professor, New York University

Voices of Innovation 02:00pm - 03:00pm

Susan Kish, Agora Curator, IHS Markit

02:10pm - 02:55pm
Deep Decarbonization: What does it mean?

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Didier Holleaux, Executive Vice President, ENGIE

02:10pm - 02:55pm
New Frontiers for Power: Serving the customer of the future

Lawrence J. Makovich, Vice President and Senior Advisor, Energy; CERAWEEK Vice Chairman, IHS Markit
 Anne Pramaggiore, Senior Executive Vice President and CEO of Exelon Utilities, Exelon Corporation
 Scott Prochazka, President and Chief Executive Officer, CenterPoint Energy

03:05pm - 03:55pm
Electrifying Transportation: How far, how fast?

Jone-Lin Wang, Vice President, Power and Renewables, IHS Markit
 Pedro Pizarro, President and CEO, Edison International
 Patti Poppe, President and Chief Executive Officer, CMS Energy

03:30pm - 04:30pm
Agora Studios
Cars, Clouds and Connectivity: Networks on wheels 03:30pm - 04:30pm

Sam Lucero, Senior Principal Analyst, M2M and IoT, IHS Markit

Power: Realizing value from digital transformation 03:30pm - 04:30pm

Mark Griffith, Senior Research Director, IHS Markit
 Doug Arent, Deputy Associate Laboratory Director, Scientific Computing and Energy Analysis, National Renewable Energy Laboratory
 Larry Cochrane, Managing Director and CTO, Azure Global Energy Industry, Microsoft
 Sonny Garg, Global Lead, Energy Solutions, Uptake Technologies

Voices of Innovation 03:30pm - 04:30pm

03:55pm - 04:45pm

Coal's Grand Challenges and Opportunities

Jim Thompson, Senior Director, Coal, Energy, IHS Markit
 Howard Gatiss, Chief Executive Officer, CMC Coal Marketing Company
 Glenn Kellow, Chief Executive Officer, Peabody Energy
 Garold Spindler, Chief Executive Officer, Coronado Global Resources

04:45pm - 05:30pm

Digital Transformation and the Future of Power

Jone-Lin Wang, Vice President, Power and Renewables, IHS Markit
 Ganesh Bell, President, Uptake
 Paul Browning, President and CEO, Mitsubishi Hitachi Power Systems Americas (MHPSA)
 Gil C. Quiniones, President and Chief Executive Officer, New York Power Authority (NYPA)

05:40pm - 06:30pm

Expert Dialogues (view more +)
Outlook for Global Fuel Prices 05:40pm - 06:30pm

Samuel J. Andrus, Executive Director, Energy, IHS Markit
 Roger Diwan, Vice President, Financial Services, IHS Markit
 James Stevenson, Senior Director, Global Coal, Energy, IHS Markit
 Gautam Sudhakar, Director, Global LNG, IHS Markit

Outlook for North American Shale Gas 05:40pm - 06:30pm

Reed Olmstead, Director, North America Plays and Basins, Upstream Oil and Gas Insight, IHS Markit
 Raoul LeBlanc, Vice President, North American Unconventionals, IHS Markit

Reducing CO2 in North American Power: Emerging technologies? 05:40pm - 06:30pm

Mark Griffith, Senior Research Director, IHS Markit
 Wade Shafer, Associate Director, Power, Gas, Coal, and Renewables, IHS Markit

Solar and Storage: Exploring cost trends and business models 05:40pm - 06:30pm

Edurne Zoco, Research and Analysis Director, Solar and Energy Storage, Energy Technology, IHS Markit
 Francesco d'Avack, Senior Analyst, Global Renewables, IHS Markit
 Sam Huntington, Senior Research Analyst, PGCR, IHS Markit
 Sam Wilkinson, Associate Director, Solar and Energy Storage Research, IHS Markit

Why Power Costs Vary Globally: Technologies and fuels 05:40pm - 06:30pm

Xizhou Zhou, Managing Director, IHS Markit
 Rafael McDonald, Director, Global Gas and Global LNG, IHS Markit
 Anna Shpitsberg, Director, Global Power and Renewables, IHS Markit

06:30pm - 07:30pm

Conference-wide Reception

07:30pm - 09:00pm

Dinner and Dialogue

Daniel Yergin, Vice Chairman, IHS Markit

Friday March, 15

07:30am - 08:30am

CERAWeek 2019: What lies ahead?

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 James Burkhard, Chief Researcher, Global Oil Markets and Energy Scenarios, Energy; CERAWeek Vice Chairman, IHS Markit
 Susan Farrell, Vice President, Energy-Wide Perspectives, IHS Markit
 Raoul LeBlanc, Vice President, North American Unconventionals, IHS Markit
 Paul Markwell, Vice President, Global Upstream Oil and Gas Insight, IHS Markit
 Shankari Srinivasan, Vice President, Energy, IHS Markit
 Jone-Lin Wang, Vice President, Power and Renewables, IHS Markit

08:30am - 09:15am

Competitiveness, Trade and the Future of Global Markets: The long view

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Nicholas N. Eberstadt, Henry Wendt Chair in Political Economy, American Enterprise Institute

10:00am - 10:45am

Competitiveness, Trade and the Future of Global Markets: The long view

Atul Arya, Senior Vice President and Chief Energy Strategist, IHS Markit
 Nicholas N. Eberstadt, Henry Wendt Chair in Political Economy, American Enterprise Institute

10:45am - 11:30am

Cybersecurity: How resilient is energy infrastructure?

Daniel Yergin, Vice Chairman, IHS Markit

11:30am - 12:15pm

Energizing Energy Innovation

Carlos Pascual, Senior Vice President, IHS Markit

12:15pm - 01:00pm

Cities: Driving innovation and the energy transition

James Burkhard, Chief Researcher, Global Oil Markets and Energy Scenarios, Energy; CERAWEEK Vice Chairman, IHS Markit

01:00pm - 02:00pm

Networking Lunch
