



ENERGY AFRICA

November 13 - 14, 2014

Colorado School of Mines

Golden, Colorado

www.energyafricaconference.com



STATE OF COLORADO

EXECUTIVE CHAMBERS

136 State Capitol
Denver, CO 80203 - 1792
Phone (303) 866-2471



John Hickenlooper
Governor



November 13, 2014

Greetings:

It is my pleasure to welcome you to Colorado for the 2014 Energy Africa Conference.

Access to affordable, reliable, and clean energy is essential to Africa's economic growth. By bringing together some of the best minds in the energy technology area, this conference has the extraordinary potential to foster creative opportunities for sustainable development across Africa. We are confident that the thriving spirit of innovation and collaboration that exists in Colorado makes our state the perfect venue for this type of dialogue.

Once again, welcome to Colorado for this important event. We wish the best for a memorable and meaningful conference and hope you enjoy your stay in Colorado. You have my best wishes, both now and in the years to come.

Sincerely,

John W. Hickenlooper
Governor

Welcome to Colorado and the 2014 Energy Africa Conference.

Colorado is one of the leading states in the nation in developing and disseminating clean energy policies and practices. We hope to share this experience with the conference participants.

Holding the conference in Golden at the Colorado School of Mines and adjacent to the National Renewable Energy Laboratory is ideal as these institutions are home to some of the best minds and students in the energy technology area. Colorado is also a focal point for many companies active in the responsible development of natural gas resources.

Access to affordable and cleaner energy is essential to accelerating economic development of countries in Africa and enhancing the living standards of their citizens. The synergy between renewable energy technologies and the unexploited extensive natural gas resources promises a cost effective, environmentally friendly and sustainable approach for Africa to meet its energy needs. The Energy Africa Conference brings together business executives and thought leaders from the public, non-government organizations and research institutions to discuss and encourage work needed to leverage the synergy between natural gas and renewable energy sources in Africa.

We hope this conference inspires you to think bigger and more broadly about energy related opportunities, to expand your horizons, to grow your businesses and to help make the world a better place.

We want to express our appreciation to the Colorado School of Mines and its President Dr, Bill Scoggins for their hospitality and allowing us to hold the conference at Mines. We hope to expand and continue this partnership in the future.

We would also like to thank our sponsors for their generous support without which this conference would not be possible.

Energy Africa Conference Committee

DAY ONE THURSDAY, NOVEMBER 13, 2014

All Day Registration

7:30 - 8:30 AM: Breakfast/Networking Coffee

8:00 - 8:30 AM: Welcoming and Introductory Remarks

Luka Powanga, Professor, Regis University; Founder and Vice Chair, Energy Africa Conference

Fred Julander, President, Julander Energy and Conference Chair

8:30 - 10:00 AM: Session 1 - Community and Culture in a Clean Energy Economy

Session 1 - describes the Socio economic challenges and solutions to expanding energy access in Africa.

Moderator: Tisha Conoly Schuller, President and CEO, Colorado Oil and Gas Association

Panelists: Lucy Mbugua, CEO Luq Consulting

Kathleen Hancock, Associate Professor, Colorado School of Mines

Pam C. Namai, Founder and Chief Executive Officer, African Energy Association

Ron Bills, CEO, Envirofit International

10:00 - 11:30 AM: Session 2 --Dawn of a New Energy Era in Africa

Session 2 - Overview of the changing energy landscapes including updates on resources and progress, REN 21 Global Status Report. and Oil and Gas Developments

Moderator: Fred Julander, President, Julander Energy and Conference Chairman

Panelists: Ambassador Irene Giner-Reichl, Austrian Ambassador to China and Mongolia and President Global Forum on Sustainable Energy

Jason Bordoff, Founding Director, Columbia Center on Global Energy Policy

11:30 AM - 12:30 PM Lunch

Speaker: Michael Schellenberger, President The Breakthrough Institute

12:30 - 2.00 PM: Session 3 - Creating Clean Energy for All Africans

Session 3 describes Meeting Africa's energy needs in the context of climate change; Power Africa, UN Energy for All, South Africa International Renewable Energy Conference 2015, US- Africa Energy Policy, and other initiatives.

Moderator: Robert Stoner, Deputy Director for Science and Technology, MIT Energy Initiative and Conference Co-Vice Chairman

Panelists: Roseann Casey, Head of Policy for Power Africa USAID

Carol Dahl, Professor, Colorado School of Mines

Vuyo Masisi, First Secretary, Embassy of South Africa

Donna Maluleke, Consul Economic, South African Consulate General

2:00 - 3:30 PM: Session 4 - Making Big Things Happen

Session 4 describes building out the urban industrial electric utility grid; examples of public and private partnerships such as Zambia, Ghana and Ethiopia

Moderator: Luka Powanga, Professor, Regis University, Co-founder and Conference co-Vice Chairman.

Panelists: Tumelo Gopane, Deputy Municipal Manager, Infrastructure and Technical Services-South Africa

Hanson Sindowe, Chairman, Copperbelt Energy Corporation, Zambia

Michael Tarney, Managing Director, Copperbelt Energy Corporation Plc

Charles Baldwin, Chairman & Chief Executive Officer, BitStream Communications, Inc.

3:30 - 5:00 PM: Session 5 - Harvesting Africa's Energy for Itself

Session 5 describes New models for energy resource development; leveraging Africa's world scale gas supplies to improve domestic economies and access to fuel and electricity.

Moderator: Jim Roth, Chair, Clean Energy Practice, Phillips Murrah, P.C. and President, A new Energy LLC

Panelists: Sandi Stash, Group Vice President - Safety, Sustainability & External Affairs, Tullow Oil Plc

Ian Gordon, Director of International New Ventures, Noble Energy, Inc.

Mutiu Sunmonu, Managing Director, the Shell Petroleum Development Company of Nigeria Limited (SPDC)

5:00-6:30 PM: Networking Reception

DAY TWO FRIDAY, NOVEMBER 14, 2014

All Day Registration

7:30 - 8:00 AM Breakfast/Networking Coffee

8:00 - 8:15 AM Introductory Remarks

8:15 - 9:45 AM Session 6 - Distributed Renewables on a Roll

Session 6 describes New developments in renewable and distributed energy systems to service off grid and rural markets including the role of micro grids and smart grids, and energy efficiency.

Moderator: Ravi Malhotra, Founder and President, ICAST

Panelists: David Yamba, Professor and Director, Center for Energy Environment and Engineering, Zambia

Steve Kosteros – CEO, Nokero

Mark Safty, Partner, Holland and Hart

Jamie Van Leeuwen, Deputy Chief of Staff for Colorado Governor Hickenlooper

John Dee, Founder & Chairman, Global Energy Options Holding S.A.

9:45-11:15 AM Session 7 - Africa Enters the World's Energy Stage

Session 7 describes Africa as a growing supplier in the world LNG market; implications for European energy needs and global politics

Moderator: David Posner, President, EnVent Energy LLC and Conference Co-Vice Chairman

Panelists: A. Scott Moore, Vice President, Worldwide Marketing, Anadarko Petroleum Corporation

Michael Farina, Senior Manager, Strategy and Analytics, GE Oil and Gas

Philip Mshelbila, General Manager External Relations and Communications, Shell Companies, Nigeria

Chris Hansen, Director, Energy Insight, IHS

11:15 AM - 12.30 PM Lunch

Speaker: Zemedeneh Negatu, Managing Partner and Head of Transaction Advisory for East Africa, Ernst & Young

12:30-2:00 PM Session 8 - Money to Make Clean Energy Happen for Africa

Session 8 describes Financing Energy Projects in Africa - opportunities and challenges.

Moderator: Mark Richard Dagel, CEO iConnect Capital Markets

Panelists: Gena Bradford, President/CEO, BMG3 Enterprises, Inc

Ricardo Tejada, Managing Director, Vnesto Capital

Brian Johnson, CEO, Sheldon Key Energy

Jordan Grant, Managing Member, Brass Room Partners LLC

2:00-3:30PM Section 9-Nurturing African Clean Energy Leaders and Entrepreneurs

Session 9 describes Harnessing Africa's entrepreneurship and leadership

Moderator: Kevin Johansen, CEO Business Catapult

Panelists: Jessica Alderman, Director of Communication, Envirofit International

David Makongo, Partner & General Counsel at Afro-American Consortium, LLC,

Bambou Ada Diagne, President and CEO of International Ventures

3:30-5:00 PM Session 10-Developing and Putting African Energy Intellectual Capital To Work

Session 10 describes Developing and putting African intellectual capital to work, fostering local skills partnerships and two-way learning via centers of excellence (including African universities, government and non-governmental institutions) to develop and deliver energy projects/ solutions; engaging the Diaspora.

Moderator: Hilary G. Dussing, Director, St. George Investments

Panelists: Pius Kamau, Surgeon, Huffington Post and NPR Contributor and Founder AHEP

Melvin Foote, President and CEO, Constituency for Africa

Azra Tutuncu, Director, Unconventional Natural Gas Institute

Jason Nagy, Former Regional Director, USTDA

5:00 - 5:15 PM Closing Remarks

JESSICA

Jessica Alderman, Director Communications and Public Relations at Envirofit International

ALDERMAN



Jessica, joined Envirofit in 2012 and is responsible for managing Envirofit's global communications and branding strategy. She works closely with Envirofit's partners to develop, disseminate, and build capacity around delivering strategic messaging

campaigns that can be adapted for local stakeholders and delivered locally. Jessica also oversees Envirofit's media relations and manages the social media platform.

With over 5 years of international field experience she has managed projects in Nepal, Uganda, Kenya, Laos, Israel and Palestine. Prior to working at Envirofit, Jessica worked as a research and media consultant managing independent

projects, needs assessments and program valuations with USAID, UNFPA, JHPIEGO, Medicine Du Monde, Circle of Health International and the Women's Global Empowerment Fund. As a Behavior Change Communications Specialist, Jessica focuses in using formative research to create messaging strategies and implement and evaluate communication programs globally. Jessica received her Master of Public Health from Johns Hopkins Bloomberg School of Public Health concentrating in Health Communication and Social and Behavioral Health, and her BA in microbiology from Colorado College.

CHARLES BALDWIN- BIO not available

RON BILLS



Ron Bills, Chief Executive Officer and Chairman of the Board, Envirofit International

Ron is a visionary leader with the fundamental idea of creating scalable and sustainable social enterprises at the base of the economic pyramid that are focused on energy & pollution reduction

and health & economic improvement. He believes it is a basic duty of free enterprise to deliver high quality, durable and

aspirational products to emerging consumer markets at the lowest possible cost - while at the same time energizing local economies and developing local entrepreneurs. Actualization of this vision will provide the potential to significantly impact the world's deadliest health and energy related problems.

Mr. Bills is actively speaking on these topics and working on a book about emerging consumer markets, the social responsibility surrounding this evolution and the necessary development of social entrepreneurs in the creation of economic improvement. He recently addressed audiences at World Bank's Clean Energy Week speaking on Household Energy Opportunities in conjunction with the organization's "Energy, Development and Climate Change" conference. Mr. Bills regularly engages with business and political leaders regarding advancements in the social enterprise space.

Since 2004, Ron has led Envirofit by combining his business acumen from the consumer durables industry with visionary thinking in the area of social enterprise. global leader in the field of technology development and social entrepreneurship, on has extensive, worldwide business and P&L experience across private, public, and startup business environments. His ability to move cutting edge, industrydefining technology from the draing board to the forefront of the global marketplace has garnered Envirofit a variety of accolades in the areas of product design and technology innovation. Prior to Envirofit, Ron was president and CEO of Segway and previously led several worldwide business units for Polaris Industries, Yamaha Motor Corporations and Bombardier. His career began as an engineer with Martin Marietta Aerospace.

JASON BORDOFF



Jason Bordoff joined the Columbia faculty after serving until January 2013 as Special Assistant to the President and Senior Director for Energy and Climate Change on the Staff of the National Security Council, and prior to that, holding Council, and, prior to senior policy positions

on the White House's National Economic Council and Council on Environmental Quality. One of the world's top energy policy experts, he joined the Administration in April 2009.

At Columbia's School of International and Public Affairs, Bordoff is a professor of professional practice and serves as Founding Director of Columbia's Center on Global Energy Policy. Bordoff's research and policy interests lie at the intersection of economics, energy, environment, and national security.

Prior to joining the White House, Bordoff was the Policy Director of the Hamilton Project, an economic policy initiative housed at the Brookings Institution. He is a member of the Council on Foreign Relations and the National Petroleum Council, a consultant to the National Intelligence Council, and serves on the boards of Winrock International, the New York Energy Forum and the Association of Marshall Scholars.

During the Clinton Administration, Bordoff served as an advisor to the Deputy Secretary of the U.S. Treasury Department. He was also a consultant with McKinsey & Company. Bordoff graduated with honors from Harvard Law School, where he was treasurer and an editor of the Harvard Law Review, and clerked on the U.S. Court of Appeals for the D.C. Circuit. He also holds an MLitt degree from Oxford University, where he studied as a Marshall Scholar, and a BA magna cum laude and Phi Beta Kappa from Brown University.

GENA BRADFORD President/CEO, BMG3 Enterprises, Inc.



BMG3 Enterprises, Inc., located in Washington, DC, is a global provider of program and construction management services in various markets, including facilities, energy, transportation, mining and

infrastructure development to both public and private sector clients – specializing in Africa and the Caribbean. The professional services include pulling ideas into focus and

sharpening the boundaries of a preliminary plan or concept for economic development, urban revitalization, real estate, tourism & culture, and sustainable development.

The company manages the owner's design and construction process, budget, outreach to stakeholders and the public—as well as develop processes, procedures, and systems. BMG3 Enterprises collaborates with other disciplines, to develop strategies so that plans can respond to the market, attract financing, and execute. The company helps clients assess feasibility, impacts, risks and trade-offs to make informed decisions.

ROSEANN

CASEY



Roseann Casey represents USAID as the Policy Lead for Power Africa; she has held this post in USAID's Washington D.C. office since January of 2014. From 2010 through 2013, Roseann served as Deputy Director of the Office of Economic Growth and Infrastructure for USAID in Kabul, Afghanistan with oversight of a portfolio which concentrated heavily on power sector development. From 2010 through 2013,

Roseann served as Deputy Director of the Office of Economic Growth and Infrastructure for USAID in Kabul, Afghanistan with oversight of a portfolio which concentrated heavily on power sector development.

Roseann's experience includes over 20 years of international development experience in Russia, Bosnia-Herzegovina, Indonesia, and support to programs worldwide, including focused work on private sector environmental and social performance. Roseann is a graduate of Regis College (now Regis University), and holds a masters degree in Nonprofit Management from Regis University as well as a graduate degree in Public Administration from Harvard's Kennedy School of Government. She is a second-generation native of Denver, Colorado.

**MARK
RICHARD
DAGEL**



Intellectual, progressive, out of the box thinker, hands on executive with sales, President, CEO and Board member blend, reinforced by a reputation for being able to solve and close complex business problems.

Finance, Infrastructure, Ability to Create "Workable" Transaction Structures, Negotiations with the ability to actually close what others cannot seem to close.

I am up for difficult transactions. IConnect has offices in Los Angeles, Atlanta, New York, Mauritius, Singapore, Luxembourg, and Dubai.

CAROL DAHL



Carol Dahl is Adjunct and Professor Emeritus in Mineral and Energy Economics at the Colorado School of Mines and Adjunct Professor at the Chinese University of Petroleum-Beijing. She received her PhD in Economics from the University of Minnesota with thesis adviser Nobel Laureate Christopher Sims.

She has published widely in peer reviewed energy journals and regularly travels to present at international conferences, to be a visiting scholar and conduct short courses on energy economics and modeling.

Her book International Energy Markets: Understanding Prices, Profits and Policies has been a Pennwell Press best seller with the second edition to be published in early 2015.

JOHN DEE



Managing Director, Board of Directors-
Global Energy Options Holding S.A. (EU).
CEO Global Energy Options (US) Inc.

John's life is about his values, his inventiveness and his passion – all of which inspire his vision for making the world more habitable and sustainable, as well as influence his way of doing business.

ADRIENNE

BAMBOU

DIAGNE



Adrienne Bambou Diagne is the President and CEO of International Ventures, a company that works closely with U.S. investors, the African Diaspora in the United States and African entrepreneurs.

She has extensive knowledge of the African market having worked in over 20 African countries as a business person as well as a volunteer for Doctors without Borders. She

has served as team leader in several hospitals in Senegal and large Organizations such as the International Rescue Committee, Institute Fournier in Paris and the World Health Organization (WHO). In 1999, under the umbrella of the Doctors without borders, she received the Nobel Peace prize as one of the volunteers of the organization.

She is a strong advocate for improving the living conditions of the underprivileged populations, the victims of war and women welfare focusing on education and health.

Adrienne Bambou Diagne holds a nursing qualification as a midwife, anesthesiology, mental and physical development of early childhood and Reproductive Health from Clermont-Ferrand France. She also has a PhD Degree in reproductive health and Social welfare from the Paris Institute Fournier, France.

**HILARY G.
DUSSING**



Director, St. George Investments.

Achievement-oriented exploration and production manager with 33 years' experience in the petroleum business with progressively responsible and diverse positions with both major and minor corporations. I have been directly involved in managing budgets in excess of US\$150 mm, and have managed

business's that have generated over US\$400 mm in after tax income. Internationally, I have been involved with overseeing remote operations (W. Africa), as well as organizing and negotiating complex growth plans with Japanese and Russian partners, and overseen a New Zealand private investor move to a fully licenced petroleum operator.

**MICHAEL
FARINA**



Leader, Fuels Market Intelligence, Global Strategy and Analytics, GE International

Michael F. Farina is one GE's senior analysts on the global fuels market landscape. He is Leader of GE's Fuels Center of Excellence (COE) and part GE's Corporate Strategy and Analytics team. His work helps senior leadership understand how fuels markets

impact GE's long-term business strategy and technology investments. Mr. Farina has been in the energy industry for almost two decades, primarily focusing on natural gas and power markets economics, technology, and policy. Prior to joining GE, he was Director, North America Natural Gas, at Cambridge Energy Research Associates (CERA). Mr. Farina holds a BA degree in Economics from Colorado State University and a Master's degree in Economics from the University of Colorado.

**MELVIN
FOOTE**

Mr. Melvin P. Foote has worked on African issues for more than 35 years. He is the Founder, President and CEO of the Constituency for Africa, (CFA), a 20-years old Washington, D.C.-based network of organizations, groups and individuals committed to the progress and empowerment of Africa and African

people worldwide. CFA's mission is to build public and private support for Africa, and to help shape U.S. policies towards Africa.

In 2002 Mr. Foote also founded the African American Unity Caucus (AAUC), a broad-based coalition of African-American and other Americans of African descent, who lead or are leaders of

Africa-focused organizations and groups -- to promote Pan-African cooperation and to link Diaspora leaders in the Western Hemisphere with the African Union (AU), as part of their "sixth region" outreach initiative. Further, he serves as a consultant to the World Bank on African Diaspora issues as well as advises the African Union's Ambassador to the United States.

1973 – 1976, he went to Eritrea and Ethiopia as a U.S. Peace Corps Volunteer and teacher. From 1981-1984, he served as Africare's Representative in Somalia, where he designed and managed a number of projects and programs that addressed issues of refugee assistance and rural development. From 1984-1994, he was assigned to Africare's Washington headquarters as their Director of Development Education and Constituency Development, which eventually led to the founding of the Constituency for Africa.

Mr. Foote has participated in numerous high-level missions to Africa, including as a participant on a White House delegation to assess the impact of the genocide in Rwanda in 1994; as a Member of a high profile team of former Peace Corps Volunteers, that sought to end the war between Ethiopia and Eritrea in 1998; as a member of a Presidential mission to five African countries in 1998 to promote U.S. trade with Africa and the African Growth and Opportunity Act; as the leader of a mission to reach a comprehensive peace agreement in

in Sudan 2001; and as the leader of a delegation to South Africa in 2003 to assess the New Partnership for African Development (NEPAD), a continent-wide initiative to promote economic integration and development. In December 2010, Mr. Foote traveled to Senegal and Gambia at the behest of the State Department, to address young African leaders on U.S. – African relations.

Mr. Foote is the recipient of numerous high level awards and recognitions including the “Ordre National du Lion” Award in 1998, which is a prestigious public service honor from the Government of Senegal, and the Congressional Black Caucus 2001 Annual Legislative Conference’s Diggs Award for Foreign Affairs in recognition of his outstanding commitment and achievement on issues and concerns pertaining to Africa. In the summer of 2011, Mr. Foote was named by Western State College of Colorado, as part of the schools Centennial Celebrations, as one of the “top 100 Westerners” in the history of the school.

Mr. Foote is a regularly requested speaker on radio and television as well as a prolific writer of articles and editorials featured in newspapers and magazines across the United States and in Africa.

TUMELO

GOPANE



Mr. Tumelo Gopane is a Deputy Municipal Manager: Infrastructure and Technical Services in the City of uMhlathuze, Kwa Zulu Natal, South Africa, reporting to the Municipal Manager, where he oversees:

1. Water and Sanitation Services (WSS)
2. Transport, Roads, Storm-water and Coastal Management Services (TRSCMS)
3. Electricity Supply, Process Control and Telecommunications Services (ESPCTS)
4. Engineering Support Services (ESS)
 1. Fleet Management
 2. Asset Management
 3. Municipal Buildings and Structures

He holds a National Diploma in Electrical Engineering, a Bachelor of Technology in Electrical Engineering, both from the Vaal University of Technology, and a Bachelor of Science Honors in Electrical Engineering, from the University of Pretoria. He is a member of the IET (Institution of Technology), a member of CIPS (Chartered Institute for Purchasing and Supply), and a member of the SAIEE (South African Institute of Electrical Engineers).

His previous employers are Eskom (SOE) Ltd, Rio Tinto Plc., Anglo Platinum (Pty) Ltd, Anglo American Plc, where he held various roles in operations, engineering and strategic sourcing. He joined the South African Government as an employee in 2011, where he deepened his passion around Energy Management. He has successfully implemented projects in EEDSM (Energy Efficiency Demand Side Management) in the area of street-lighting, traffic signaling, building lighting, residential hot water load control, pool pumps, water and sanitation pumping, amongst others.

He is further initiating renewable energy programs and projects within the City of uMhlathuze, where he is heading the infrastructure division. Tumelo Gopane is part of the team that is pioneering policy and processes in the area of renewable energy within South African municipalities.

**IAN GORDON Director, Conventional New Ventures,
Noble Energy**



Ian Gordon is the Director of Conventional New Ventures at Noble Energy, based in Houston. Previously with Noble, he served as Development Manager in the

Deepwater Gulf of Mexico. Before joining Noble in 2007, Ian held various geophysical interpretation positions over 17 years with Anadarko Petroleum and Conoco, including overseas assignments in Venezuela and Algeria. Ian holds a Master's degree in Geology from the University of Wyoming and a Bachelor's degree in Geology from Oregon State University.

**JORDAN
GRANT**

**Jordan Grant, Managing Member, Brass
Room Partners, LLC**



Jordan has amassed varied experience in raising capital, business development, operations, and investor relations. He currently serves as the Managing Member of Brass Room Partners LLC, a firm he co-founded that facilitates investment in the energy sector primarily in sub-Saharan Africa.

Jordan also serves as a Director of Mos Energy Company Limited, a natural gas processing company located in Nigeria. Mos Energy is an early stage company formed to participate in the growing West African natural gas market.

Previously, he was a Vice President in the Johannesburg office of Musa Capital Advisors, a boutique merchant bank.

Musa facilitates private investment in core sub-Saharan African markets focused in the energy, real asset and telecommunications sectors.

Prior to his work at Musa, Jordan was an Associate Director at Standard and Poor's, a global financial advisory and ratings firm, where he was responsible for rating corporate debt issued by companies in the healthcare sector.

Early in his career, he was a Director in the business development group at new media company, Urban Box Office, and an analyst at DLJDirect, the online discount broker created by investment bank Donaldson Lufkin and Jenrette.

Jordan holds an MBA from Columbia Business School, where he was a Robert A. Toigo Fellow and a BS in Chemistry from Morehouse College.

**KATHLEEN
HANCOCK**



Dr. Hancock is an Associate Professor of Political Science in the Liberal Arts and International Studies Division, where she teaches undergraduate courses in International Relations and in the Masters of the International Political Economy of Resources (MIPER) program.

She earned her PhD in Political Science at the University of California, San Diego. She specializes in regional economic integration, global governance, and Eurasia. Her teaching interests also include human rights. Before earning her PhD, Dr. Hancock worked in Washington, DC as a Senior Evaluator at the US Government Accountability Office (GAO) and as a lobbyist for the Federation of American Scientists. She has conducted field research in numerous countries in Europe and Eurasia, including Kazakhstan, Kyrgyzstan, Russia, and Ukraine. Dr. Hancock's book, *Regional Integration:*

Choosing Plutocracy (New York: Palgrave Macmillan, 2009) compares economic integration efforts led by Prussia, South Africa, and Russia. She has published articles in *Foreign Policy Analysis*, *China-Eurasia Forum*, *Asian Perspective*, and *Georgetown Journal of International Affairs*. She is currently working on her second book, tentatively titled *Identity and International Institutions: Regional Integration in Southern Africa*.

CHRIS HANSEN



Chris Hansen is the Senior Director, Energy Insights at IHS. He specializes in energy sector economics, energy market reform, with more than 15 years of experience in the global energy industry. His current role at IHS is to lead a global portfolio of energy events and partnerships, including programs and

communities for CERAWEEK, a 3000-person executive event focused on energy markets. In addition, he directs a social media analytics development team with a suite of products across several industries. Dr. Hansen was based in Dubai in 2008-09, where he managed a comprehensive review of the Emirate's energy sector to support Dubai's rapid growth plans. He is a co-creator of the OptGen analysis, IHS CERA's unique tool for applying financial portfolio techniques to power generation. His recent research also includes an analysis of global nuclear power developments and the market potential for small nuclear reactors.

Before joining IHS, Dr. Hansen was a Research Fellow at the Oxford Institute for Energy Studies, where he analyzed electricity and gas sector reform in India, and published several papers in professional journals on energy sector economics and policy analysis. Dr. Hansen holds a BSc in Nuclear Engineering from Kansas State University; a Graduate Diploma of Civil Engineering from the University of the Witwatersrand, South Africa; a Master of Science in Technology Policy from MIT; and a PhD in Economic Geography from Oxford University.

**BRIAN
JOHNSON**



Brian re-located back to the US after being offshore for 14 years in Australia and the UK. He has set up a limited liability company called Sheldon Kye Energy whose focus is energy infrastructure development and advisory.

Brian was previously (2002-2012) an Executive Director heading up the Energy & Utilities team in Melbourne at PricewaterhouseCoopers with a focus on strategic, commercial development and risk management activities in competitive energy & broader resource markets. Previously, he has come from the UK where he was a Director & Senior VP at Caminus (1999-2002) leading the strategic consulting team that focused on merchant energy projects throughout Europe and risk management advisory (Caminus was a leading European strategic energy advisory firm

specialising in Energy Utilities). Brian was involved across the value chain and advised a range of large European utilities, North American new entrants into utilities, upstream and midstream gas companies and several investment banks. Prior to Caminus Brian was a Director at Oakvale Capital (1996-1999) in Sydney where he specialised in general energy financial risk management issues and strategic risk management issues for a range of resource focused entities across Australia. Brian held mandates with a range of Australian companies (power generators, retailers, the high voltage network operator, upstream oil and gas companies and several mining companies & other large energy consumers) providing general and strategic trading and risk management advice, deal execution services as well as constructing a range of market and asset valuation tools to assess value and risk.

Brian has also held positions as the Director of Energy Research for the New York Mercantile Exchange (1990-1996), Business Development for Colorado Coal & Coke and started his energy career as a petroleum geologist working with Amoco, Canadian Hunter and Questar. He holds undergraduate degrees in petroleum geology and business administration from Western State Colorado University and completed a MS degree in mineral economics & finance from the Colorado School of Mines.

**FRED
JULANDER**



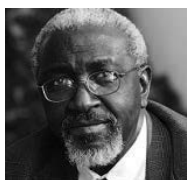
Fred Julander has over 39 years of experience in energy and natural resources as an independent operator. He has been a leader in the oil and gas community pushing for responsible exploration and development and for recognition that natural gas has a bright future as a natural complement to renewable energy and efficiency.

Fred is a member of the National Petroleum Council, past President of the Colorado Oil & Gas Association, founding Chairman of COGA's Rocky Mountain Natural Gas Strategy Conference and Chairman of the Natural Gas Committee

of COGA. Fred is also the recipient of the 2007 Distinguished Public Service Award presented by the Rocky Mountain Association of Geologists.

In 2009 Mr. Julander was selected to the Independent Petroleum Association of Mountain States Rocky Mountain Oil & Gas Hall of Fame. Mr. Julander earned a BA degree from the University of New Mexico and a JD degree from the University of Iowa Law School. He is a graduate of the University of Denver's Executive MBA program.

**PIUS KAMAU,
MD**



Born and raised in Kenya he attended school in Mombasa and Strathmore College in Nairobi. He went to Medical school in Spain and the UK. Trained in General and Thoracic Surgery in New York and Denver's Children's Hospital. He has been a newspaper columnist for The Rocky Mountain News, the Denver Post for two decades.

He was a commentator for NPR and KUNC radio. He has been in a dozen nonfiction books and has written a murder mystery. He currently writes for the Huffington Post and is still working on his Memoir. He is the Founder of AAHEP – Africa America Higher Education Partnerships – training African women of STEM to attain their graduate degrees in US universities to return to teach in African schools.

He is also one of the Founders of CADUS – Consortium of African Diasporas in the US that believes that the African Diaspora's strength and potential are still unrealized.

**STEVE
KATSAROS**



From his earliest days, Stephen Katsaros' life has been filled with innovation. A mechanical engineer with a penchant for competitive ski racing, Steve began his colorful career with the invention of several commercial products for the ski industry.

His first brush with “impact inventing” came in 2002 with RevoPower, a motorized wheel for bicycles. In early 2010, he came up with another bright idea – a simple, portable solar light bulb with the potential to revolutionize life for

the 1.4 billion people in the world who live without access to electricity. Five months after his first sketch, Steve launched Nokero, a for-profit company with a mission to provide affordable solar technology solutions for poor, off-grid communities around the world.

Stephen has a BS in Mechanical Engineering (BSME) from Purdue University, is a patent agent registered with the US Patent and Trademark Office, and was a non-degree seeking student at the Bard Center of Entrepreneurship at the University of Colorado from 1998-1999. He received the B.F. Goodrich Collegiate Inventors Award in 1995 and was recently awarded the 2012 Outstanding Mechanical Engineer Award from Purdue University.

**DAVID
MAKONGO**



David Makongo is a partner and General Counsel at Afro-MAKONGO Consortium, LLC. He is also President, Chief Negotiator and Legal Advisor with MAP, LLC in Denver, Colorado. He holds an LLB, JD and LLM in Natural Resources Law, Environmental Law and Policy from Denver University's Sturm College of Law,

where he won the highest academic performance distinction in the negotiation of natural resources agreements.

David is a member of the American Bar Association (ABA), the International Bar Association (IBA), the Mining Committee of the International Bar Association, and the Anti-corruption Committee of the International Bar Association.

David has been very instrumental in maintaining good relationships between mining companies and illegal miners and local communities in Africa through his corporation.

David Makongo is in the process of establishing himself as an expert in identifying and negotiating important natural resources agreements across the whole of the African continent. David is an individual who has successfully combined legal knowledge with a keen eye for business opportunities,” says Don C. Smith, Director of the Environmental and Natural Resources Law and Policy Program University of Denver Sturm College of Law.

DONNA MALULEKE - BIO not available

VUYO MASISI - BIO not available

STEPHEN D.

MATENJE



His Excellency Stephen D. Matenje became Ambassador Extraordinary and Plenipotentiary of the Republic of Malawi to the United States of America on the September 16, 2010, the day he presented letters of credentials to the US President, Barack Hussein Obama.

He is also accredited to the Bahamas, Canada, Cuba, the Dominican Republic, Mexico and Puerto Rico on a non-residential basis.

A public servant in the Malawi Public Service since 1980, prior to his appointment Ambassador Matenje served as Ambassador Extraordinary and Plenipotentiary and Permanent Representative of the Republic of Malawi to the United Nations from November 2006 to May 2010. From 1995 to 2006, he served as Solicitor General and Permanent Secretary in Malawi's Ministry of Justice and Constitutional Affairs which he joined in September 1980.

Ambassador Matenje holds a Master of Arts degree in Business Law from City of London Polytechnic (1988), a Bachelor of Laws with honors from Chancellor College, University of Malawi (1980), a Diploma in International

Law from the University College London (1983), and a Commonwealth Certificate in Legislative Drafting (1986). He is married to his lovely wife Isabel and they have four children; two boys and two girls.

LUCY

MBUGUA



Lucy is the CEO of Luq Consulting, providing business advice to US Companies interested in doing business in the East Africa Region in the Energy Sector, infrastructure, agribusiness and more as well as providing advice to East African Companies seeking US business partners and financing for projects.

She has more than 25 years experience working in the Energy Sector. Lucy worked in Nairobi, Kenya for the Kenya Power Supply and Generation Company as the first in-house Counsel and set up the Legal department. She was a member of the working group commissioned by the Government of Kenya in conjunction with the IMF and World Bank to develop policy for reforms in the Power Sector that set out the government's intention to separate the regulatory and commercial functions of the sector, facilitate restructuring and promote private-sector investment. This led to the Kenya Power and Lighting splitting of the generation entity responsible for public funded power generation projects from the transmission and distribution Company. She has worked on various projects with DANIDA and SIDA also with Esso Kenya Ltd an Exxon affiliate in Kenya.

She is the head of the AGOA Division of the East Africa Chambers of Commerce located in Dallas, Texas. Member of the working group for 2014 AGOA CSO Forum and the AGOA Civil Society Organization component of the US Africa Leaders Summit Conference which was held in Washington, DC on 4 August, 2014.

**SCOTT
MOORE**

**Vice President of Worldwide Marketing,
Anadarko**



Scott Moore is Vice President of Worldwide Marketing for Anadarko Petroleum Corporation. Anadarko is one of the largest independent oil and natural gas exploration and production companies in the world and a leading domestic producer.

Mr. Moore has management responsibility for Anadarko's U.S. and international marketing of natural gas, crude oil, natural gas liquids, and liquefied natural gas as well as commodity derivatives and market fundamentals. He has been employed in the natural gas industry for 28 years with experience in marketing, trading, logistics, commodity derivatives, economics, risk management, commercial litigation, project finance and engineering. Mr. Moore served as assistant chair of the coordinating subcommittee for the National Petroleum Council's Prudent Development study for the U.S. Secretary of Energy. He currently serves on the board of directors of the Natural Gas Supply Association, Denver Metro Chamber of Commerce, and Junior Achievement – Rocky Mountain, Inc. He is a member and immediate past chairman of the board of directors of the Colorado Oil and Gas Association.

PHILIP

MSHELBILLA



Philip graduated from the Ahmadu Bello University, Zaria in 1990 with a degree in Human Medicine (MB,BS), and went on to work for the Nigerian National Petroleum Corporation (NNPC). In 1994 he left NNPC to work for National Oil and Chemical Marketing Plc (a Shell JV) as a Medical Officer.

He further studied Occupational and Environmental Medicine at the University of Aberdeen, Scotland and underwent training and attachments in various Shell refineries and petrochemical plants in the UK, France and The Netherlands, rising to the position of Chief Medical Officer and Corporate Health Safety and Environment Adviser. He also obtained a Masters of Business Administration (MBA) degree from the IESE Business School of the University of Navarra, Spain in 2000. Subsequently he joined Shell Nigeria Oil Products working for Shell Health Services as the Regional Health Adviser for Africa. In this position he oversaw the management of all health and related matters for Shell downstream (retail, marine, aviation, LPG, manufacturing, consumer and industrial) and chemicals businesses in 35 African countries.

In 2004 he left the medical practice to work as Regional (Business) Adviser for Africa in the International Directorate of Royal Dutch Shell in The Hague, The Netherlands. In this position he provided cross-business and country advice to the Regional Managing Directors of Shell on African matters. He also served briefly as the Private Assistant to the Chief Executive of Royal Dutch Shell.

He subsequently moved to the Gas and Power business where he worked in LNG Business Development as the Planning and Integration Manager, and subsequently as a Commercial Manager. Subsequently he worked as the Project Development Manager on various Gas and Power projects. In 2009 he joined an industry team to evaluate the Nigerian Petroleum Industry Bill (PIB), as the gas subject matter expert.

In 2010 Philip was appointed as the Managing Director of Shell Nigeria Gas Ltd, a natural gas distribution company that builds and operates pipeline networks in Lagos, Aba and Port Harcourt areas of Nigeria, supplying natural gas to over 60 industrial and commercial customers.

Philip became the general manager of Sustainable Development and Community Relations in the Shell Petroleum Development Company of Nigeria from January 2012, overseeing social performance, sustainable development, social investment, community relations and relations with the state governments in the Niger Delta. Most recently he was appointed as the Regional Communications Manager for West Africa.

JASON**NAGY**

Since 2008, Jason Nagy has been based in Johannesburg, South Africa, working for the U.S. Trade and Development Agency (USTDA). Mr. Nagy travels throughout sub-Saharan Africa to meet with public and private sector project sponsors to develop USTDA grant activities that support USTDA's mandate of promoting economic development in Africa

(infrastructure, technology transfer, job creation and skills development, and market-oriented reforms) and U.S. exports. In his nine years with USTDA, Mr. Nagy has assisted in identifying and crafting more than \$60 million of USTDA program funding, primarily focused on clean energy solutions, transportation efficiencies and infrastructure improvements (ports, rail and aviation), and information and communication technology projects.

Through funding for feasibility studies, technical assistance, study tours, and workshops, Mr. Nagy facilitates financing for key infrastructure projects, as well as capacity building and institutional networking to support successful project implementation. In 2013, he launched the U.S.-Africa Clean Energy Development and Finance Center. Mr. Nagy is a passionate promoter and facilitator for innovation, entrepreneurialism and skills development programs in Africa, and is always eager to bring together public, private, non-governmental and academic institutions for the common good.

Prior to USTDA, he worked for the Member of the Board of Directors at the Export-Import Bank of the United States responsible for the Bank's sub-Saharan Africa business development efforts.

Mr. Nagy has a master's degree in international affairs from American University with concentrations in international economic policy and international business. His bachelor's degree is in political science and journalism from Indiana University.

PAM C.

NAMAI



As the Founder and Chief Executive Officer of the African Energy Association and Director of Foreman Holdings, Ltd, Namai brings more than 10 years of multi-faceted experience in government relations, foreign relations, international trade, financial services, energy, commodity trading and negotiations. Culturally astute and discerning in her

approach, Pamela has an extraordinary track record for structuring complex deals around the globe with major corporations, governments and high-ranking officials. Her ability to nimbly operate in various business capacities has persuasively broadened her reach across continents and industries. Multilingual, Namai has easily afforded herself a seat at the global round table.

An entrepreneur at heart, Namai envisions the African Energy Association's role as the most influential, effective and independent non-profit organization serving as the voice of energy in Africa.

In her capacity as Founder and CEO, she is actively engaged in comprehensive oversight, including short and long-term strategic planning, marketing, quality assurance and financial management.

During her tenure as the Government Relations/Federal Affairs Specialist at the American Gas Association (AGA) on Capitol Hill, she gained exposure to policy issues in natural gas and actively liaised with the federal government, to include the executive and legislative branches. Additionally, she developed an impressive wheelhouse of expertise in areas such as Federal Election Committee laws and regulations, PACs, election cycles, legislative processes, political contributions and disbursements, lobbying, disclosure and reporting. Outside of her traditional duties at the AGA, Pamela managed the legislative outreach congregation, including legislative forums and supported the Vice President in fundraising. She was also responsible for the preparation, forecasting, monitoring and tracking of the department's \$1 million dollar budget.

Prior to joining AGA, Pamela spent four years at Zurich North America/ Zurich Financial Services. She supported the Vice President's efforts to lobby, build coalitions and sustain relationships with different multi-lateral institutions including, International Finance Corporation, OPIC, World BankMIGA and International Monetary Fund. As the manager of the

Government & Industry Affairs, she developed business relations with emerging markets; defined project scope, goals and deliverables, which supported the company's business goals in collaboration with senior management & stakeholders. She interpreted and ensured consistent application of organizational policies; negotiated contracts, maintained financial records and managed a \$5 million dollar budget for the department.

Namai serves as a strategic consultant to several energy companies throughout Africa and is certified by the Association of Government Relations Professionals.

ZEMEDENEH

NEGATU



Mr Negatu is the Managing Partner for Ernst & Young in Ethiopia and Head of Transaction Advisory Services for Eastern Africa. Widely recognized as one of Africa's top business leaders, he was voted amongst the "100 Most Influential Africans of 2013" by New-African magazine. He has received numerous other global awards including CEO magazine's "Titans Building Nations" award and "Managing Partner of the Year" from Acquisition Finance magazine.

Zemedeneh has appeared on CNN, BBC, Bloomberg and as a "Power Lunch" guest on CNBC. He is frequently invited to speak at high profile global gatherings including the World Economic Forum, Milken Global Conference, Harvard and at the NY Forum Africa.

He completed the LSE program at Harvard, studied at Howard University and is a U.S. CPA.

**DAVID
POSNER**



President, Envent Energy, LLC

David M. Posner founded EnVent Energy LLC in 2000. EnVent's primary business is negotiating gathering, processing, transportation and marketing arrangements for natural gas producers, and related strategic initiatives. Posner previously led

the marketing function and midstream operations for Santa Fe Snyder, Snyder and Ladd, is a past Chairman of COGA, and has over 30 years of experience in energy marketing, project development, and management. EnVent is also involved the development of waste heat power projects on gas pipelines and at processing plants, and the interface between new energy technologies including renewable sources and natural gas. Posner is a graduate of Brown University and received his Masters degree in Mineral Economics from the Colorado School of Mines.

**Luka
Powanga**



Professor, Regis University; Founder and Vice Chair, Energy Africa Conference. Dr. Luka Powanga is a professor in the School of Management at Regis University and the Executive Director of the Global Commerce Forum. He is also the Managing Editor of the Journal of Global Commerce Research and the Journal of Current Research in Global Business. He is currently the US

correspondent for CargoNews Asia a trade magazine based in Hong Kong.

He holds a BSC degree in Metallurgy and Mineral Processing, Masters and PhD degrees in Mineral Economics from Colorado School of Mines with a minor in Finance from the Graduate School at Denver University.

He also holds a Masters degree in Computer Information Technology and Graduate Level Certificate in Object Oriented Programming from Regis University. His industry and academic experience spans over thirty years at middle and senior management levels. He consults in mining and international business management. He worked in the mining and telecommunications industry at middle and senior management level within and outside the United States. He taught at Colorado School of Mines before transitioning to Regis University. He has written a textbook in economics published by McGraw-Hill.

**IRENE GINER-
REICHL**



Irene Giner-Reichl is the Austrian ambassador to the People's Republic of China and Mongolia and the President of the Global Forum on Sustainable Energy. She has worked in Austria and abroad occupying various positions. She worked in Egypt and New York in Foreign Service for Austria and was the deputy head of mission, and later headed the Austrian mission to the United

Nations. She represented Austria at the United Nations Economic and Social Council. Other positions include head of unit for International Women's Issues, head of the department for multilateral social affairs, Alternate Permanent Representative of Austria to the United Nations in Vienna, head of the International and European Union Affairs Department at the Ministry for the Environment, Youth and Family Affairs, Permanent Representative of Austria to United Nations Industrial Organization (UNIDO), the International Atomic Energy Agency, the United Nations Office in Vienna and the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO), Assistant Director-General for United Nations (UN) Affairs, Director of the UNIDO office in New York and Minister-Plenipotentiary in the Department for Development Cooperation, Ministry of Foreign Affairs, Vienna.

She served as Director-General for Development Cooperation and the Ministry for the European and International Affairs in Vienna, prior to being appointed the Austrian Ambassador to the People's Republic of China and Mongolia.

The ambassador is active in energy issues. She has chaired/ convened a variety of workshops such as “Fostering the Linkage between Energy and Sustainable Development within the International Institutions”, “ International Expert Meeting on Renewable Energy”, “The EU Expert Group on Energy and Sustainable Development.

She was on the Board of the World Energy Council (WEC) for the revision of “Energy for Tomorrow’s World”, and the panel for the World Energy Assessment, jointly hosted by the United Nations Economic and Social Affairs, the United Nations Development Program and the World Energy Council.

She has also lectured on a variety of issues. Her degrees include a Mag. Phil and Juris Doctorate from the University of Innsbruck in Austria and a Masters of Arts from Fordham University in New York.

JIM ROTH



Jim Roth is a member of the firm’s Energy & Natural Resources Practice Group, Director and Chair of the Clean Energy Practice Group, Phillips-Murrah P.C. He represents individuals and both publicly-owned and private companies in a range of business, energy and environmental issues, as well as a variety of public policy and regulatory matters.

Hand-selected by Governor Brad Henry to serve as an Oklahoma Corporation Commissioner in 2007, Jim held the office through January 2009 when he joined Phillips Murrah. He was first elected County Commissioner for Oklahoma County in 2002 and, in 2006, was the first re-elected County Commissioner in over a decade. Prior to serving as County Commissioner, Jim served eight years in local government as a staff attorney and chief deputy for Oklahoma County.

The focus of Jim’s practice continues to grow in the directions of clean energy and all public policy issues with energy and environmental implications. He often lectures on these related issues and currently serves on the Advisory Board for The Institute for Energy Law, a division of The Center for American and International Law, a Board Member to The American Clean Skies Foundation (a DC-based clean energy effort) and a

Board Member for TexCom, a Texas-based environmental services, publicly-traded company. Jim has previously served as Project Director for the Oklahoma Sustainability Network's Green Building Code grant project. Jim is also a weekly columnist for Oklahoma's statewide business newspaper, The Journal Record, where he explores energy and environmental topics. He has recently been named among the Best Lawyers in America.

Born in Prairie Village, Kansas, Jim has called Oklahoma City home since 1991. An avid outdoorsman, Jim enjoys exploring nature, snow and water-skiing, traveling and spending time with family, friends and his golden retrievers. A devoted community advocate and public servant, Jim says, "public service feeds my soul."

MARK D.

SAFTY



For more than 30 years, energy companies operating on five continents have turned to Mr. Safty for virtually every type of development and financing transaction. In transactions involving \$2 million to those exceeding \$2 billion, clients trust his extensive experience developing and financing energy projects.

Mr. Safty provides the counsel clients need to clear regulatory, financial, and operational hurdles so they can keep pace with industry changes and demands.

Since the 1980s, Mr. Safty has served as lead counsel in the development, acquisition, financing, and refinancing of dozens of power generation facilities across the spectrum of energy technologies. Since the late 1990s, Mr. Safty has focused his practice on development, construction, financing, and M&A activity in the renewable energy industry. His earlier years of experience as general counsel and COO of a bank holding company, and his time as outside director and chairman of the board of a \$2.5 billion financial institution, help him understand his clients' interests from the business side of any matter.

As a complement to his energy practice and an additional service to his clients, Mr. Safty handles general corporate and transactional matters. He advises multinational clients on the sale and acquisition of mining and oil and gas properties, and has helped them successfully complete corporate reorganizations including spin-off transactions and mergers. His clients span industries including mining, manufacturing, power generation, health care, education, transportation, and water and waste treatment, among others.

Mr. Safty currently serves as the practice group leader for Holland and Hart's Energy and Infrastructure Group. He is listed in The Best Lawyers in America® for project finance law. Mr. Safty is an adjunct professor at the University of Denver's Sturm College of Law and at the University of Colorado Law School, where he teaches Renewable Energy Development and Regulation and Finance. He is a frequent speaker at national and international conferences on renewable energy topics.

**TISHA
CONOLY
SCHULLER**

Executive Officer of the Colorado Oil and Gas Association



Ms. Tisha Conoly Schuller serves as President and Chief As President, Ms. Schuller is responsible for leading the industry in Colorado legislative, regulatory, and public relations matters. Previously, Ms. Schuller served as a Principal and Vice President with Tetra Tech, a national environmental consulting and engineering firm.

In addition to running business operations, Ms. Schuller spent 15 years conducting environmental permitting for oil and natural gas projects across the country. She has a B.S. in Earth Systems with an emphasis in Geology from Stanford University. Tisha is a proud Advisory Board Member of the American Red Cross in Denver.

**MICHAEL
SHELLENBERGER**



Michael Shellenberger is one of the leading global thinkers on energy, climate, security, human development, and politics. His 2007 book *Break Through* (co-authored) was called “prescient” by Time and “the best thing to happen to environmentalism since Rachel Carson’s *Silent Spring*” by Wired. In 2004 his co-authored essay, “The

Death of Environmentalism,” was featured on the front page of the Sunday New York Times, sparked a national debate, and inspired a generation of young environmentalists. In 2002 he co-founded the Apollo Alliance, now the Blue-Green Coalition, which advocated a \$300 billion investment in renewable energy and energy efficiency — a demand that was largely realized by President Barack Obama.

Over the years, he has been profiled in the New York Times, Wired, the San Francisco Chronicle, the National Review, The New Republic, and on NPR. In 2007, they received the Green Book Award and Time magazine’s 2008 “Heroes of the Environment” award.

**HANSON
SINDOWE**



Chairman, Copperbelt Power Corporation Plc

Hanson has over 25 years’ experience in the mining and electricity supply industry and has been a director at the Company since 2006. He has a wide range of experience at senior management level and has served as General Manager of the ZCCM Power Division, the forerunner of

CEC, and of Zambia Railways Limited. Hanson is the Chairman of CEC Plc, co-founder and Managing Director of the Zambian Energy Corporation (Zam-En). He is responsible for developing CEC’s future business opportunities and currently serves on several Boards of Directors.

Hanson holds an Electrical Engineering degree from the University of Zambia and is a fellow of the Engineering Institution of Zambia. He also holds senior management certificates from Penn State University (USA) and Ashridge College of Management (United Kingdom). He led the Zam-En team in the acquisition of the controlling interest in CEC in 2006. He sits on the following boards: Batoka Energy Holding Limited, Green Trade Limited, Zambia Energy Corporation (Ireland) Limited, Zambia Energy Corporation Limited, Madison General Insurance Company Zambia Limited, CEC Liquid Telecommunications Limited, Realtime Technology Alliance Africa Limited, Sinazongwe Energy Corporation Limited and CEC Kabompo Hydro Power Limited.

**SANDY
STASH**



With over 30 years in the oil and gas and mining industries, Sandy Stash has vast, global leadership experience in operations and engineering, business, risk and crisis management, external affairs and communications, sustainability, safety and health, complex litigation, and organizational transformations and start-ups. She spent

many years representing business internationally on controversial natural resource, social and sustainability issues with the general public, national and local media, and local, regional and national governments.

After a career with ARCO, Anaconda, TNK-BP, BP, and Talisman Energy, Sandy joined Tullow Oil in October 2013 as its Group Vice President of Safety, Sustainability, and External Affairs. Tullow, headquartered in London, is the largest independent oil and gas company in Europe with operations on five (5) continents.

A petroleum engineer by training, Sandy spent her early career as one of the first women to work as a drilling engineer and well site supervisor at ARCO locations across North America. These roles enabled her to build strong technical

knowledge of field operations and provided unique insights into the challenges of management-labor relations. Sandy's subsequent work in managing discontinued businesses for ARCO and then BP, broadened her experience to include all P&L, operational, legal, strategic planning, financial, and government and media affairs aspects for this suite of mining, manufacturing, and oil businesses. She spent the last ten years leading global functional organizations including operations and engineering, government and public affairs, social performance, safety, environment and sustainability.

She has also served on several Boards of Directors including the Federal Reserve Bank of Minneapolis, the International Women's Forum (IWF), the Montana Tech Foundation (as Chairman) and the Institute for Sustainable Communities (ISC).

Sandy is a graduate of the Colorado School of Mines.

Specialties: Oil and Gas Operations; Government and Public Affairs; HSE and Operational Assurance; Strategic Planning; Communication; Engineering

ROBERT

STONER



Deputy Director for Science and Technology of the MIT Energy Initiative, and founder and co-Director of the Tata.

Center for Technology and Design at MIT. His research interests include energy technology and policy, power systems, and design for resource constrained settings.

He is currently a member of the MIT Energy Council, and the Science and Technology Committee of the National Renewable Energy Laboratory.

Dr. Stoner has worked extensively in academia and industry throughout his career, having built and managed successful technology companies in the semiconductor, IT and optics industries. He is the inventor of numerous measurement and computing techniques used extensively in semiconductor manufacturing, and holds patents in

the fields of acoustics, IT, optical metrology and electronics. From 2007 through 2009 he lived and worked in Africa and India while serving in a variety of senior roles within the Clinton Foundation, including CEO of the Clinton Development Initiative.

He earned his Bachelor's degree in engineering physics from Queen's University, and his Ph.D. from Brown University in condensed matter physics.

MUTIU SUNMONU



Mutiu Sunmonu is Managing Director of the Shell Petroleum Development Company of Nigeria Limited (SPDC), Vice President Production (Sub Sahara Africa) and Country Chair of Shell Companies in Nigeria. He graduated from the University of Lagos in 1978 with a first-class degree in Mathematics and Computer Sciences. He joined the IT department of Shell in Nigeria where he held various roles before being posted abroad.

Following three years in Aberdeen at Shell UK, he returned to Nigeria in 1993 to become Head of IT Infrastructure Services and in 1995 he became IT Manager for the Shell Petroleum and Development Company. In 1997 he moved to the core production side of the business as an area production manager. In 2001 he worked as Regional Business Adviser at Shell Headquarters at The Hague, in the Netherlands where he helped develop the initial investment proposal for the China West-to-East integrated pipeline and gas supply project. Returning to Nigeria in 2003, Mutiu was appointed General Manager Production for SPDC Eastern operations. Two years later, he joined the Board of SPDC following his appointment as Executive Director Corporate Affairs and then Executive Director Production in 2006 with overall accountability for the company's oil and gas production activities and delivery.

He was appointed Managing Director of SPDC and Vice President Production on 1 January 2008. In January 2010, Mutiu was appointed Country Chair of Shell Companies in Nigeria.

He is married to Funke and they have four children. Mutiu's hobbies include golf and reading (especially autobiographies). He is a member of the Nigerian Society of Engineers, the Nigeria Association for Energy Economics and in his spare time enjoys educating and imparting knowledge.

**MICHAEL
TARNEY**



Managing Director, Copperbelt Energy Corporation Plc

Michael is the Managing Director of the Copperbelt Energy Corporation Plc (CEC) Africa. He has been a director at CEC Plc since 2006. He, in addition, serves as a director at Zambian Energy Corporation (Ireland) Ltd and Bakota Energy Holdings

Ltd, among other directorships. Previously employed as Audit Manager by PricewaterhouseCoopers and Financial Controller – International Operations for National Grid Plc, Michael has also worked for GEC Marconi Corporation as an electronics engineer. He is currently in charge of the corporate development process at CEC and is responsible for implementing its growth strategy as well as identifying potential growth areas in the energy sector in Zambia and abroad.

Michael has engineering degrees from Cambridge University in the United Kingdom and is a Chartered Accountant. Michael sits or has sat on the following boards: Batoka Energy Holding Limited, CEC Africa Investments Limited, Zambian Energy Corporation (Ireland) Limited, Zambia Energy Corporation Limited, Madison Asset Management Company Limited, CEC Liquid Telecommunication Limited, Realtime Technology Alliance Africa Limited, Sinazongwe Energy Corporation Limited, CEC Kabompo Hydro Power Limited and Arandis Power.

**RICARDO
TEJADA**



Managing Director, Vnvesto

Mr. Tejada's 10 years of business experience has spanned advisory responsibilities within the Fortune 100, his own ventures and extensive involvement with Southern California's entrepreneurial community. As Managing Director, Mr. Tejada is responsible for overseeing operations of US Los Angeles

offices, South Korea's Seoul office, and Cuenca Ecuador office. Throughout, he brings a disciplined and analytic real-world perspective to all of his deals and projects. Mr. Tejada is involved in many different community organizations and currently is an active Board Member of the Regional Hispanic Chamber of Commerce and Past Treasurer for ArtShare Los Angeles – a nonprofit educating youth through the arts. Additionally, Mr. Tejada, a founding member of the New America Alliance Emerging Leaders Los Angeles, a membership driven non-profit that is comprised of prominent American Latino entrepreneurs and business leaders who are committed to giving back to the community.

In 2011 Mr. Tejada has been awarded Telemundo's Hispanic Business Salute, Hispanic Business Man of the Year, and recently recognized by Latino Leaders Magazine as an upcoming Young Latino Leader in the United States. Under Mr. Tejada's leadership Vnvesto Capital was an honored nominee for Los Angeles Business Journal, Small Business of the Year.

Mr. Tejada holds a B.S. Degree in Business Administration from the University Of Southern California and is a graduate of the Marshall School of Business where he attended the Lloyd Grief School of Entrepreneurial Studies, USC's prestigious and highly ranked program.

AZRA

TUTUNC



Professor Tutuncu is the Harry D. Campbell Chair in Petroleum Engineering Department at Colorado School of Mines and the director of Unconventional Natural Gas and Oil Institute (UNGI). Dr. Tutuncu held various research and leadership assignments in Well Engineering, Rock Physics, Geomechanics

and Subsurface R&D groups at Shell International E&P and Shell Oil Company. Her research interest areas include rock-fluid interactions, integrated borehole stability, geomechanics, reservoir characterization, formation damage and contamination detection, mitigation and removal for environmental protection.

Dr. Tutuncu leads several multidisciplinary consortia in solving variety of technical, environmental and economic challenges in reservoir characterization, coupled geomechanics, wave propagation and fluid flow measurements, modeling and real time characterization and monitoring of the drilling, hydraulic fracturing, acoustic stimulation and production in unconventional oil and gas resources. In addition, she coordinates the federal and state regulatory training curriculum for the United States contributing toward the standardization of the unconventional regulatory effort. She is a member of the EPA Scientific Advisory Board on Hydraulic Fracturing Research, former President of American Rock Mechanics Association (ARMA), the SEG representative for AGI Environmental Geoscience Advisory Committee, and a members of SEG Research Council and Global Affair Committee in addition to serving on various SPE, SEG, ARMA and ISRM technical and executive committees. Dr. Tutuncu is a licensed Professional Petroleum Engineer and Licensed Geoscientist in the State of Texas.

**JAMIE
VAN LEEUWEN**



Jamie Van Leeuwen currently serves as the Deputy Chief of Staff for Governor Hickenlooper after two years as Senior Advisor and Director of Community Partnerships. Leading up to the Hickenlooper administration, he worked as the Policy Director and served on the transition team for the Hickenlooper for Colorado

gubernatorial campaign. He is also the founder and Executive Director of the Global Livingston Institute, a non- governmental organization in East Africa designed to engage students and community leaders to develop innovative solutions to poverty and is a Senior Research Fellow with the Buechner Institute at the University of Colorado Denver School of Public Affairs. He became a Fulbright Scholar in 2013. In 2006, Jamie was appointed by Denver Mayor Hickenlooper to head up Jamie was appointed to chair the Drug Strategy Commission and oversee the Office of Drug Strategy. Previously, Jamie directed fundraising, legislative work and research as Director of Development & Public Affairs at Urban Peak, serving homeless youth.

He is a graduate of Leadership Denver, Emerging Leaders, and Leadership Arts and served as adjunct faculty at University of Colorado, Metropolitan State College of Denver and University of Denver. He was selected in 2005 as a Livingston Fellow by Bonfils-Stanton Foundation to cultivate his leadership and in 2006 was named "Forty Under Forty" by the Denver Business Journal. He received the 2009 Denver Foundation "Judy Kaufman

Civic Entrepreneurship Award", the 2010 Denver Metro Chamber Leadership Foundation Alumnus of the Year, and named in the 2011 Power Issue of the Out Front magazine as a leader in the Lesbian & Gay community.

Jamie completed his PhD in Public Policy at the Graduate School of Public Affairs at the University of Colorado Denver. He has a Masters degree in International Public Health and a Masters degree in Sociology from Tulane University.

Specialties: Research and evaluation, fundraising, media and communications, marketing, affordable housing, youth homelessness, education, international development, policy.

DAVID

YAMBA



Professor F.D. Yamba is currently a full professor in mechanical engineering at the University of Zambia with a bias on thermal sciences and energy and environment since 1985, and currently serves as Director at Centre for Energy Environment and Engineering Zambia (CEEZ). Professor Yamba has 38 years of experience in teaching, research and of

Engineering at the University of Zambia, Executive Director-Technical at INDECO (Industrial Development Corporation) and Managing Director of Engineering Services Corporation (ESCO).

Professor Yamba has wide experience in project management and research having supervised and participated in over 40 projects in climate related studies (climate modeling and adaptation analysis, mitigation analysis related to energy and combustion, industry, land use change and forestry, and Clean Development Mechanism(CDM) projects development); and energy related studies (energy modeling and planning, and renewable energy and energy efficiency analysis and applications.

Conference Committee Chairs:

Conference Chairman: **Fred Julander**, President, Julander Energy
Conference Co-Chairman: **David Posner**, President, EnVent Energy
Robert Stoner, Deputy Director, MIT Energy Initiative
Luka Powanga, Executive Director, Global Commerce Forum,
Professor at Regis University and Co-founder, Energy Africa

Committee Members:

Michael Allender, Project Manager (retired), HP
Patrick Aniniba, Managing Partner/CEO, INTERGLOBE GROUP, LLC
Helena Haynes-Carter, Executive Director Denver MBDA Business Center
Carol Dahl, Adjunct and Professor Emeritus in Mineral and Energy Economics at the Colorado School of Mines and Adjunct Professor at the Chinese University of Petroleum-Beijing

Selena L. Dunham, Principal, Classique, LLC
Fannie Posey Eddie, President, American Association of Blacks in Energy Denver Area Chapter

Nicole Gampp, Corporate Relations Manager, GEO Xpand Inc
Kathleen Hancock, Associate Professor, Colorado School of Mines -

David W Hendricks, Professor Emeritus of Civil and Environmental Engineering, Colorado State University
John Holm, Partner, Transnational Perspectives LLC
Keith Larson, Partner, TPG
Ravi Malhotra, Founder and Chairman, ICAST
Yemane Gebre-Michael, Partner, TPG
Jason Nagy, Africa Business Development Manager, Sub-Saharan Africa

Region United States Trade and Development Agency
Atupele Powanga, Project Manager and Social Media Consultant
John Kweku Priddy, Partner, TPG
John Reed, Goodwill Ambassador Project CURE
Mark Safty, Partner, Project Development and Finance Renewable Energy, Holland and Hart
Carol Tappenden, Social Investment and Philanthropy Consultant
Azra Tutuncu, Harry D. Campbell Chair and Director, The Unconventional Natural Gas and Oil Institute (UNGI), Colorado School of Mines
Heidi VanGenderen, Director of Public Engagement, Department of Energy

Strategic Partners:

Massachusetts Institute of Technology The
Woodrow Wilson Center -
Colorado School of Mines -
University of Colorado -
Denver University -

American Association of Blacks in Energy
University of Nigeria at Nsukka University of
Zambia
Alternative Energy Africa
Colorado Renewable Energy Society South
Metro Chamber of Commerce US Export
Assistance Center

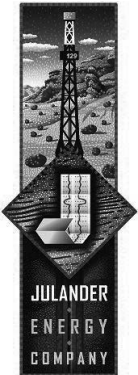
Media Partners:



SPECIAL PARTNERS



Sponsors



HOLLAND & HART^{LLP}



The Powanga Group
Facilitating Business with Africa



Practical partnership addressing the
climate, energy and water challenges impacting
food security in the developing world



REGIS UNIVERSITY

Established in 1877, Regis University educates men and women of all ages to take leadership roles and make a positive impact in a changing society. Our degree programs are infused with ethics and values, designed to enhance lives while advancing careers. Made up of three distinct colleges, Regis University seeks to provide a values-centered education through multiple learning formats and opportunities for both personal and professional development.

Regis University's College for Professional Studies (CPS) is a national leader in adult education, offering accessible, affordable degree programs through innovative online learning, multiple Colorado campus locations, class start dates throughout the year and dedicated faculty. At CPS, adult learners can complete their bachelor's degree, pursue a master's degree or earn a combined bachelor's and master's degree from one of four schools:

- School of Computer & Information Sciences
- School of Education
- School of Humanities & Social Sciences
- School of Management

The School of Management in Regis University's College for Professional Studies offers bachelors and masters degrees and certificates that reflect the Jesuit tradition which forms the foundation of learning at Regis University. School of Management students are required to think systemically, focusing on the theories and practices that promote effective leadership, service and positive change within organizations and their environments. The School of Management's top-rated curriculum promotes analytical and creative decision-making abilities, providing students with an understanding and appreciation for business and its social and ethical environment. As a student in the School of Management, you will learn to perform more creatively, ethically and effectively within the complex organizations of the 21st century.

November 13 - 14, 2014
Colorado School of Mines
Golden, Colorado
www.energyafricaconference.com

