Welcome

IEEE Green Energy Conference

March 22, 2024, 6 am PDT

Live Stream Seattle Washington

IEEE

Mike Brisbois | 708.668-5488 | mike.brisbois@ieee.org

Green Energy Conference March 22, 2024

Speaker Lineup

6:00 am PDT IEEE Announcements

6:05 am PDT IEEE Announcing all speakers and Sponsors

6:10 am PDT Keynote Paul Doherty, Award-winning President and CEO at The Digit Group, Inc.

6:35 am PDT Honghai Song, CEO and Founder at Canyon Magnet Energy - HTS magnet technology

7:00 am PDT Pamela Hamblin, NUEnergy, Business Development, 'Microgrids are the bridge to stabilize the Grid'

7:25 am PDT Stefanie Padgett, Sr VP of Utility, Automotive OEM, and Electric Vehicle (EV) Fleet, Rhythmos

7:50 am PDT Priyanca Iyengar Ford, Founder Kronos Fusion Energy, 'Quest for Clean unlimited Fusion Energy'

8:15 am PDT Mansoor Khan, Land Heart Energy - Engineers Guild, LH Energy, 'Virtual Power Plants.'

8:40 am PDT Aleksandar Mastilovic, Telcom, Regulation, Digital Xfrm govt, 5G Smart Cities, Entrepreneur, Engineer

9:05 am PDT Angelo Campus, CEO Box Power

9:30 am PDT Sean Esterly, Project Manager, National Renewable Energy Laboratory

9:55 am PDT Sanjay Dani, Generative AI Consultant, 'EV Charging, AI'

10:20 am PDT Scott Thompson, WSP

10:45 am PDT Umit Cali, Professor Digital Engineering, Univ. of York, 'Digital Green Transition DLT/ (G)AI and cyberlaw'

11:10 am PDT Mayur Sarode, Technology Architect High Tech Consultant, Wireless, Networks, Devices Computing

11:35 am PDT Christopher Gray: Green Energy, Renewables Design Engineers, Partner/Practice Lead

12:00 pm PDT IEEE Prize Pack Give away – Special Guest

12:10 pm PDT Dr. Surya Vardhan Bhamidipati, Replacing Human Intuition with Artificial Intelligence in Rural Power India

12:35 pm PDT Xinsheng Lou, PhD, ISA Fellow, Director-e of ISA POWID

1:00 pm PDT Steven Tomaszewski, Apollo Solar & Energy Consultants Municipalities, Universities, Schools

1:25 PM PDT Rajesh Ramesh, Developing high value RE projects Africa, Middle East & Asia, AMEA Power

1:50 pm PDT Sam Salem, Regional Manager at Wind Cluster, ‘Disruptive technologies power system and future grid’

2:15 pm PDT Steve Wilson, Executive Leadership, Digital Transformation, Workplace Innovation, Future Skills

2:40 pm PDT Richard Rys, Principal, R2 Controls

3:05 pm PDT Bhushan Joshi, Head of Sustainability & Corporate Social Responsibility Leader Ericsson North America

3:30 pm PDT Steve Turner, Technical Leader, Consulting Engineer at Arizona Public Service - APS

3:55 pm PDT Greg Billington, Senior Product Manager, Visa

4:20 pm PDT Pritpal Singh, Professor Of Electrical Engineering, Villanova University

4:45 pm PDT Salute to the Speakers

Register at: https://events.vtools.ieee.org/m/405975

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6:10 am PDT Keynote Paul Doherty, Award-winning President and CEO at The Digit Group, Inc.

Smart Grids: The Promise of Decentralized Energy
A definition of design has been described as a journey to a preferred future. Join us on this journey from the art of the possible to the science of the inevitable regarding Smart Grids and their use of Digital Twins, Blockchain and AI. This session will explore the what, why and how of digital twins use in microgrids by presenting real world implementations that will showcase best practices and lessons learned.

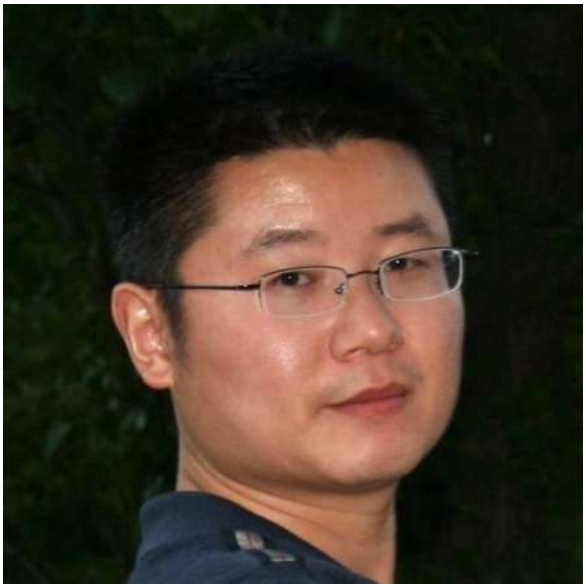
Paul Doherty, IFMA Fellow, DFC Senior Fellow is CEO and President of TDG, The Digit Group, Inc.

Paul is Chairman and CEO of TDG (the digit group www.thedigitgroupinc.com), a globally renowned and award-winning architect who is one of the world's most sought after thought leaders, strategists and integrators of process, technology, and business. As seen on The Wall Street Journal, Bloomberg TV, acknowledged by CNBC as one of America's Business Titans and reported by Forbes as "Changing the World", Paul is a Senior Fellow of the Design Futures Council and a Fellow of the International Facility Management Association (IFMA). Concurrently, Paul is also the co-founder and producer of the critically acclaimed AEC Hackathon (www.aechackathon.com) that launched at Facebook Headquarters. His past successful ventures include Revit Technologies (Sold to Autodesk 2002), Buzzsaw (Autodesk 2001) and TRIRIGA (IBM 2011). His 2 latest books are "Smart Cities: Reimagining the Urban Experience" published by Quality Press and "Unlocking the Metaverse: A Strategic Guide for the Future of the Built Environment", published by John Wiley & Sons, which rated #1 New Release on Amazon.com.

https://www.linkedin.com/in/paul-doherty-aia/

Mike Brisbois | 708.668-5488 | mike.brisbois@ieee.org

6:35 am PDT Honghai Song, CEO and Founder at Canyon Magnet Energy - HTS magnet technology



Honghai Song

Experienced Scientist with a demonstrated history of working in the research industry and national laboratory. Skilled in Magnetics (Design and Measurement), High Tc Superconductor, Thin Films, Materials Science, Superconducting Magnet, Finite Element Analysis, Measurement and Automation, and Data Acquisition (LabVIEW). Strong research professional with a Ph.D. focused in Electrical Engineering and Applied Superconductivity from Florida State University and National High Magnetic Field Laboratory.

https://www.linkedin.com/in/honghai-song-02683419/

7:00 am PDT Pamela Hamblin, NUEnergy, Business Development, 'Microgrids are the bridge to stabilize the Grid'

Pamela Hamblin

Business-savvy and performance-driven professional with substantial experience developing and executing effective sales and marketing strategies to meet/exceed business needs and goals. Proven success in ensuring flawless execution of sales strategy to build growing, sustainable, and profitable business. Proficient in designing and implementing optimal go-to-market model based on dynamics and business strategy, including sales roles, coverage models, and team configurations to maximize productivity. Well-versed in monitoring customer, market, and competitor activity, providing feedback and strategic recommendations to business, company, and relevant functional leadership teams. Instrumental at fostering and maintaining business relationships with key internal and external stakeholders as well as collaborating with cross-functional teams on upstream and downstream marketing goals. Expert at coaching, mentoring, and raising team's ability to deliver and exceed expectations while creating opportunities for succession talent.

https://www.linkedin.com/in/pamelahamblin/

7:25 am PDT Stefanie Padgett, Sr VP of Utility, Automotive OEM, and Electric Vehicle (EV) Fleet, Rhythmos

Stefanie Padgett

Stefanie Padgett is Senior Vice President of Utility, Automotive OEM, and Electric Vehicle (EV) Fleet at Rhythmos leading business development. Rhythmos' modern analytics platform brings predictability, flexibility, and smart energy management to the grid, enabling faster, more reliable, and cost-efficient EV adoption for fleets and Utilities. Stefanie Padgett is a highly accomplished executive and electrical engineering professional. She is a recognized subject matter expert in distributed infrastructure and renewable energy. Stefanie acquired her technical foundation and utility acumen by spending the first half of her career with ABB and GE supporting utilities in distribution, transmission, and generation. Over the last 10 years she has led three companies' expansion strategies into new markets. This included defining, building, and executing service capabilities to lead NAES' transition into Renewable Energy as the Vice President of Renewables. There she secured the first of its kind service contract for the largest solar plus storage project in the US, expected to reach over 2GWs. Before that, Stefanie internally developed O&M and asset management capabilities to support community solar assets for Nautilus Solar as the VP of Asset Management & Business Development. Stefanie transitioned from traditional power into renewables when she joined First Solar back in 2014. At First Solar, she led sales from origination and structuring to contract execution enabling First Solar to quickly become the leader in solar O&M services. Most recently, she led the integration of Stem Inc's acquisition of Also Energy, which included consolidating solar and battery storage operations, products, and business functions. Stefanie loves that she is lucky enough to work in the industry that can make the biggest impact in solving the climate crisis. She is helping to lead the industry through this energy transformation, while normalizing discomfort to achieve transformative change. Normalized discomfort leads to risk, risk leads to failure, and failure leads to innovation. "It is as wrong to deny the possible as it is to deny the problem." – Saleebey "I'd put my money on the sun and solar energy. What a source of power! I hope we don't have to wait until oil and coal run out before we tackle that." –Thomas Edison told his friend Henry Ford in 1931.

https://www.linkedin.com/in/stefaniepadgett/

7:50 am PDT Priyanca Iyengar Ford, Founder Kronos Fusion Energy, 'Quest for Clean unlimited Fusion Energy'

Conference info for Kronos Fusion Energy & Priyanca Ford

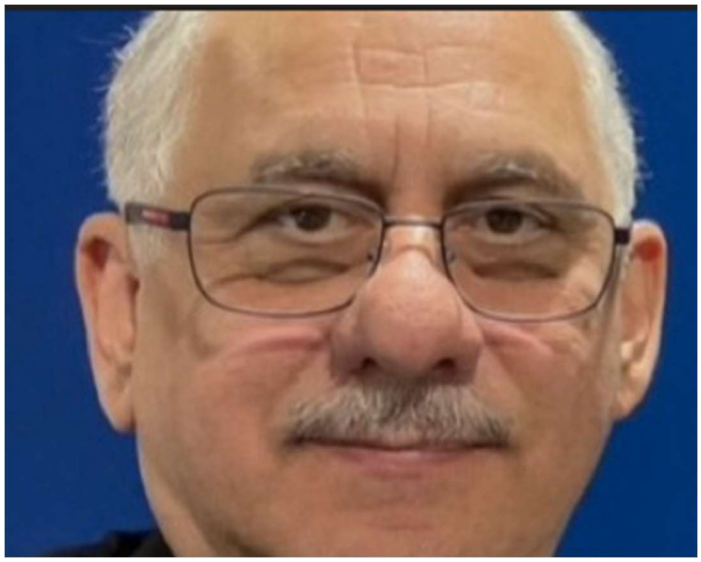
A future powered by clean, limitless energy seems like science fiction, yet it's within reach thanks to advancements in fusion energy. At Kronos Fusion Energy, we're pioneering this clean revolution with our Kronos SMART™ aneutronic fusion generator. Imagine slashing global emissions by 25% in just 30 years, powering remote communities, and revolutionizing industries – that's the potential of fusion. Kronos SMART™ stands out with its unique advantages. Unlike traditional fusion, it utilizes aneutronic fuel, eliminating harmful neutrons for a safer and more efficient process. Its modular design allows for scalability, powering everything from small towns to vast industrial complexes. Furthermore, direct energy conversion maximizes efficiency and minimizes infrastructure costs. Leading this groundbreaking endeavor is **Priyanca Ford**, driven by a deep passion for clean energy and a commitment to future generations. Her expertise in mathematics, product management, and data analysis fuels her pursuit of achieving Q40 fusion energy mechanical gain, a key milestone to unlock this technology's full potential. Join us on this journey to a brighter future. Discover how Kronos Fusion Energy is transforming the world of energy generation and be part of the solution for a sustainable tomorrow. Visit our website or attend the upcoming Engineering conference to hear Priyanca Ford speak and learn more about Kronos SMART™!

Priyanca Iyengar Ford

I am Priyanca Ford, founder and executive board member of Kronos Fusion Energy. We are on a mission to transform the world by tapping into the boundless potential of fusion energy for the betterment of future generations.

https://www.linkedin.com/in/priyancaford/

8:15 PDT Mansoor Khan, Land Heart Energy - Engineers Guild, LH Energy, 'Virtual Power Plants.'



Mansoor Khan

Mansoor Khan, specialties include project engineering, planning, and scheduling, implementation and monitoring, contract negotiations, power systems planning and operation, energy efficiency, and integrated resource planning.

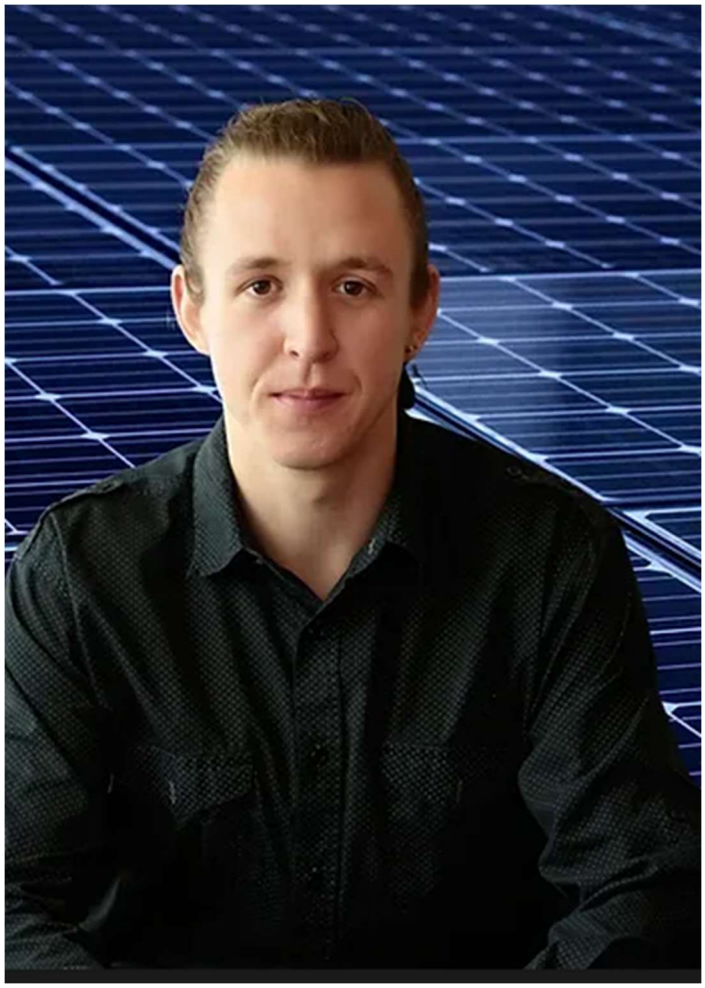
https://www.linkedin.com/in/mansoor-khan-13710225/

Aleksandar Mastilovic

Aleksandar Mastilovic stands out as an international authority in Telecommunications. He has a rich interdisciplinary background that encompasses implementing 5G technology, Telco Market Analysis, Smart Cities, and Digital Transformation in Public Administration and SMEs. His work primarily focuses on converting academic innovations and scientific achievements into entrepreneurial ventures across business, academia, and government sectors. Currently, Mr. Mastilovic serves as a consultant for various prestigious international institutions, including United Nations agencies such as the United Nations Development Program (UNDP) and the International Telecommunications Union (ITU), the German International Economic Cooperation (GIZ), USAID, the European Bank for Reconstruction and Development (EBRD), the Institute of Electrical and Electronics Engineers (IEEE), the G20 Economic Alliance, and the World Business Angels Forum (WBAF). Mr. Mastilovic is currently associated with the Chamber of Commerce and Industry of the Republic of Serbia - Center for Digital Transformation as the leading consultant for Artificial Intelligence applications and Head of Strategic Planning and Business Development. Mr. Mastilovic serves in the world's largest professional organization, IEEE—Institute of Electrical and Electronic Engineers—as the elected Member-at-Large at the Publications Services and Products Board and a few other OUs and technical standards working groups, contributing to the adoption of new cutting-edge technologies and solutions. During that period, in 2015, as the EU Marie Curie Fellow, Mr. Mastilovic received an award from the IEEE Communications Society Global Top 30 Award for Doctoral students in Telecommunications. In addition, he was appointed as the visiting researcher to several recognized universities, such as Rutgers University in New Brunswick, USA, the University of Sydney, and La Trobe University in Melbourne, Australia, representing the European research community worldwide. The London-based business analytics company Onalytica recognized him as one of the Top 10 Global Influences on Smart Cities in 2022. He is the author of 9 recognized scientific papers at international conferences and co-author of a book on cybersecurity of industrial IoT systems published by IGI Global (USA). He is a TEDx speaker on Smart Cities and co-founder of the first and largest regional Smart City event in the Western Balkans: Smart Cities Festival. Mr. Mastilovic is a policy maker enabling 4G deployment in Bosnia and Herzegovina and establishing a Roaming-Like-At-Home framework in the Western Balkans

https://www.linkedin.com/in/aleksandarmastilovic/

9:05 am PDT Angelo Campus, CEO Box Power



Over 60% of U.S. distribution lines are past their 50-year life expectancy, posing safety risks in rural areas prone to wildfires and severe weather. The cost of updating this aging infrastructure has significantly increased, with undergrounding lines costing up to $5M per mile. In this session, Angelo Campus, CEO of BoxPower, will discuss how Remote Grid Standalone Power Systems (RGSPS) offer a cost-effective alternative to traditional upgrades. These off-grid solutions, featuring solar, battery storage, and backup generators, have proven to reduce upgrade costs and disaster risks. Angelo will highlight how Remote Grids improve energy reliability, aid decarbonization, and present a forward-thinking approach to overcoming grid aging challenges, showcasing their efficacy through a case study with partnerships including PG&E, SCE, and Liberty Utilities. This method marks a significant advancement in creating a resilient and sustainable energy infrastructure.

Angelo Campus, CEO/Co-Founder: Angelo Campus has spent 12 years working on BoxPower Inc. and its precursor research projects. Originally the lead designer, Angelo, has held almost every role at BoxPower and now leads sales and forward-looking technology development. Angelo is a 2019 Forbes 30 under 30 list maker, 2019 Halcyon Fellow, 2019 GSBI Fellow, DRK Entrepreneur, 2017 Echoing Green Climate Fellow and 2017 Princeton Tiger Entrepreneur Award winner. Angelo graduated magna cum laude from Princeton in 2016, where he designed an independent major combining civil engineering and anthropology, where he focused on renewable energy technologies and business models for rural electrification.

https://www.linkedin.com/in/nprakashkumar/

9:30 am PDT Sean Esterly, Project Manager, National Renewable Energy Laboratory

Sean Esterly

Natural leader with a background in renewable energy, energy efficiency, and real estate development. Skilled in both technical and non-technical project management, negotiation, budgeting, technical research and writing, analysis, and public speaking. Extensive experience managing large, multi-stakeholder international and domestic projects in the energy sector. Able to manage at a high-level while ensuring success in the details.

https://www.linkedin.com/in/sean-esterly/

9:55 am PDT Sanjay Dani, Generative AI Consultant, 'EV Charging, AI'

Sanjay Dani

Sanjay Dani has over 30 years in tech experience, starting with systems software at Sun Microsystems and as a Silicon Valley entrepreneur in web hosting. He has worked on IT Infrastructure management and deployment in technical and managerial roles. Furthermore, he has a significant background in designing and implementing commercial solar generation systems in India. He has consulted Apple focused on Machine Learning tools tailored for Site Reliability Engineering applications. Sanjay's recent endeavors center around Generative AI, strengthened through corporate consulting. With a diverse technological background, he provides a unique perspective on AI's trajectory and potential.

https://www.linkedin.com/in/sanjaydani/

10:20 am PDT Scott Thompson, WSP

10:45 am PDT Umit Cali, Professor Digital Engineering, Univ. of York, 'Digital Green Transition DLT/ (G)AI and cyberlaw'

Umit Cali

Expertise Areas: Advanced Data Analytics (ML and DL), IoT (multi-domain prototyping), Blockchain Technology (Smart Contracts & P2P application development), Cyber-Physical-System design (power, transportation and connected cities applications), IoT / sensorics to Cloud gatewaying, Energy Economics, Energy Politics, Evaluation (Focus: Renewables), Renewable Energy Technologies, Wind Energy (Project Management, Technical Due Diligence, Project Development, Wind Yield Assessment, Wind Power Forecasting Systems, Direct Marketing), Power Trading, Energy Electrical Communication Engineering, Smart Energy/ Smart Grids, EMobility (V2X communication and BMS), Energy Storage, Automation Science, Networking, Project Management, MCP, Cisco Devices, PL/SQL, Shell / Java, Embedded Systems, Car Electronics,

https://www.linkedin.com/in/%C3%BCmit-cali-8769953/

11:10 am PDT Mayur Sarode, Technology Architect Hi Tech Consultant, Wireless, Networks, Devices Computing

Mayur Sarode

Mayur Sarode is a seasoned technology consultant with over 14 years of experience in the wireless industry. He specializes in designing and implementing cutting-edge solutions for Wi-Fi, 5G, and IoT systems, providing end-to-end network architecture and system engineering services across diverse domains. Mayur's key competencies are below. He is a networks expert passionate about ushering in a new era in broadband services by architecting fixed and wireless networks for low latency. RF and Wireless Architecture As a subject matter expert in RF and wireless architecture, He has played a key role in developing RF systems, conducting bench measurements of RF characteristics, and ensuring regulatory compliance in wireless technologies. Technical and Product Leadership: With a proven track record in leading technical teams, driving innovation, and managing technology delivery, he has successfully designed and delivered top-notch, cloud-enabled end-to-end solutions for projects like HoloLens, Alexa, Smart homes, and Wi-Fi 7/E/6 enabled cable/fiber gateways. Standards Engagement Expert: He has led standards engagement activities at Microsoft, aligning company strategy with industry standards bodies such as the Wi-Fi Alliance and 3GPP, and have contributed to the development of cross-functional forums and company-wide newsletters. Multicultural working experience (India, Netherlands, UK, and Canada). Constantly strive for excellence and bring out the best in the people he engages with. He is passionate about creating innovative products and services that positively impact society. I leverage emerging technologies like AR/VR, sensors, quantum networks/imaging, and network convergence to achieve this goal. His collaborative approach, systems thinking, and commitment to excellence enable individuals and businesses to thrive in the digital age.

https://www.linkedin.com/in/mayur-sarode/

11:35 am PDT Christopher Gray, Green Energy, Renewables Design Engineers, Partner/Practice Lead

Christopher Gray

Christopher Gray is partner and practice lead with the Energy and renewables practice in the Nashville, TN headquarters. He works with clients on an exclusive contingency or engaged basis and focuses on recruiting PE Licensed engineers in renewables and power delivery. Christopher is originally from Knoxville, Tennessee. He has over 15 years' experience in recruiting and business development in New York City, Philadelphia, and Nashville. In his last position he was MVP of his entire region (Pittsburgh, Nashville, Memphis, and Indianapolis) as a top biller, in his third month with the company. He is consistently ranked among the top producers regionally and was climbing the charts nationally when he came to ThinkingAhead. He is a serious musician, having obtained a master's degree in percussion performance from the prestigious Eastman School of Music in Rochester, New York. His bachelor's degree is from the University of Tennessee, Knoxville. Christopher makes his home south of Nashville with his family. He volunteers with the Nashville Career Transition Group, MT SHRM, and the Salvation Army in Murfreesboro. He also drums whenever and wherever he can.

https://www.linkedin.com/in/cgraytimbrel/

12:00 pm PDT IEEE Prize Pack Give away – Special Guest

12:10 pm PDT Dr Surya Vardhan Bhamidipati, PhD Power system Optimization Topic - Replacing Human Intuition with Artificial Intelligence in Rural Power systems of India.

Replacing Human Intuition with Artificial Intelligence in Rural Power systems of India.

Replacing intuition with AI techniques in rural power systems of India can revolutionize the way electricity is managed and distributed in remote areas. Traditional methods often rely on human intuition, which may not always be efficient or accurate, leading to issues such as power outages and inefficient resource allocation. By integrating AI technologies such as predictive analytics, machine learning, and optimization algorithms, rural power systems can be made more reliable, resilient, and cost-effective. The current demand for AI deployment necessitates the use of intelligent methods to gather data from rural communities which can be challenging but if implemented properly, AI-driven decision-making can enhance the overall efficiency and sustainability of rural power systems, ensuring better access to electricity for communities in remote areas of India

Dr. Surya Vardhan Bhamidipati

Dr B V Surya Vardhan, PhD VNIT Nagpur India Surya Vardhan is a researcher in the field of electrical engineering, specializing in energy transition strategies employing artificial intelligence and machine learning to optimize grid-integrated renewable sources. He earned his PhD from VNIT Nagpur (Visvesvaraya National Institute of Technology, India) an institute of national importance, focusing on the application of these advanced techniques for optimal operation of renewable energy sources within the grid. Prior to his doctoral studies, he completed his master's degree in integrated Power System from the same institution under the MHRD (Ministry of Human Resource and Development) India Scholarship in 2019. Surya Vardhan's research activities were conducted in the Non-Conventional Electrical Engineering Lab of VNIT Nagpur, where he delved into various aspects of grid integration, power scheduling and management, and the impact of protection in modern grids. His expertise also extends to the application of machine learning and deep learning techniques in power system management and renewable energy production. Surya Vardhan has received prestigious fellowships from the Ministry of Education and the Science and Engineering Research Board (SERB), both by the Government of India, recognizing his contributions to the field. He is also a Life Associate Member of SEEM (Society of Energy Engineers and Managers), reflecting his commitment to professional development in the energy sector. Surya Vardhan has made significant scholarly contributions, with over 15 publications in reputable publishers, and he actively participates in the academic community by reviewing manuscripts for Elsevier and Springer. His work underscores his dedication to advancing sustainable energy solutions through innovative research and the application of emerging technologies.

https://www.linkedin.com/in/suryavardhanchinni/

12:35 pm PDT Xinsheng Lou, Ph D, PhD, ISA Fellow, Director-e of ISA POWID

Xinsheng Lou, Ph D

Xinsheng is a technology leader, process dynamics, and controls engineer at GE.

1:00 pm PDT Steven Tomaszewski, Apollo Solar & Energy Consultants Municipalities, Universities, Schools

Steven Tomaszewski
Steve is a High Tech, well educated, sales veteran in commercial/industrial solar and finance.

https://www.linkedin.com/in/steventomaszewski/

1:25 PM PDT Rajesh Ramesh, Developing high value RE projects Africa, Middle East & Asia, AMEA Power

Rajesh Ramesh

Business / Project Developer with a strong electrical and electronics engineering base completing 10 years of experience in the solar PV, wind energy & energy storage sectors covering roles in consulting, research, design, engineering, and project operations & development with demonstrated understanding and execution credentials. Experienced in closing 180 MW of projects in emerging economies and currently developing 400 MW+ across Africa bringing together social, technical, commercial, and financial value. Dubai and East Africa are my second home. Have developed close working relationships mainly across my present region of focus - East Africa - covering Ethiopia, Kenya, Uganda, Tanzania, Rwanda, Burundi, Malawi, and Zambia. Always on the lookout to discuss and capture new solar PV, onshore wind, battery energy storage, green hydrogen, and green ammonia opportunities. Get in touch to explore synergies and collaborate on originating, developing, co-owning, and operating multi-megawatt independent power & clean energy infrastructure projects across Africa, Asia, and the Middle East. Strongly believe in developing projects with the host community / stakeholder involvement to bring about a mutually rewarding partnership in the long-term while ensuring bankability and financial + ESG sustainability.

https://www.linkedin.com/in/rajeshramesh90

1:50 pm PDT Sam Salem, Manager Wind Cluster, 'Disruptive technologies power system and future grid'

Sam Salem

The talk highlights disruptive technologies that can be game changers for electric grid. The future of energy is cleaner, distributed, and customer centric. Renewable energy resources are becoming a significant portion of the energy mix. In the last few years there has been a focus on some technologies such as offshore wind technology, green hydrogen, Vehicle-to-Grid, new nuclear reactors, and others that could offset the renewable energy resource unavailability and improve grid resilience. The talk will give an overview of the challenges and opportunities for these disruptive technologies.

Dr. Sam Salem is an adjunct professor at Clarkson University and an independent consultant. His areas of expertise include renewable energy, electric machines, new product introduction and technology management. Dr. Salem is a senior member of the IEEE and a member of Cigre. He served on different committees and working groups in IEEE and Cigre. He has several technical publications, and he is a co-inventor of 24 US patents.

https://www.linkedin.com/in/s-salem/

2:15 pm PDT Steve Wilson, Executive Leadership | Digital Transformation, Workplace Innovation, Future Skills

Taking technology transformations to new heights. Steve currently works in the information and communication technology ecosystem providing strategic solutions to his clients. Providing a unique combination of technical and leadership skills built from relevant law enforcement, military and consulting experience in cyber/digital forensics, big data analytic challenges, risk management, digital transformation, or strategic innovation leadership. This combination allows us to better understand our client's needs, provide practical and effective guidance, and deliver superior service experience in leading the development and implementation of a digital strategy and future proofing organizations. Some of his past clients come from a variety of industries including financial services, law enforcement, oil and gas, retail, legal services, government, transportation, education and non-profit.

Steve Wilson

Steve is also actively involved in the community and is the current President of the Vancouver Chapter of the Association of Certified Fraud Examiners and a member of the Metro Vancouver Crime Stoppers Association and the BC Elder Financial Abuse Prevention Action Group. Steve has also developed the recently launched Graduate Certificate Program on Forensic Investigation of Fraud and Financial Crime at the British Columbia Institute of Technology. Steve also continues to assist in the development of post-secondary training opportunities, innovation leadership and engaging presentations at industry events and conferences.

https://www.linkedin.com/in/swilson8/

2:40 pm PDT Richard Rys, Principal, R2 Controls

Richard Rys

Mr. Rys has 23 years as an independent consulting engineer and consulting for ARC since 2015. He has worked primarily in oil, gas, chemical, pharmaceutical, paper, wind, electric power, and nuclear power industries. He has 20 years' experience with Foxboro/Invensys (now Schneider Electric) as control systems application engineer/manager developing control algorithms and software for gasoline blending, reactors, power, distillation, and compressors. Richard has worked at US and international sites, with lots of start-up experience at major industrial facilities. He recent work with utility industry and grid evolution, with distributed generation, micro-grids, grid scale energy storage, transmission, and distribution systems. His specialties include literally any kind of industrial power or energy technology. Mr. Ryes is very strong on both Organic and Inorganic reactor control systems. He is an expert at control algorithms and has extensive experience with all aspects of energy management - buildings, heat engines, and grid energy systems.

https://www.linkedin.com/in/richardrysr2/

3:05 pm PDT Bhushan Joshi, Head of Sustainability & Corporate Social Responsibility Leader Ericsson NA

Bhushan Joshi

Title: Redefining the Best Network: Embracing 5G Technologies for Sustainable Connectivity

As the telecommunications industry focuses on securing network energy performance and setting science-based climate targets to reach Net Zero, the best network no longer means just fast and reliable. It's time to redefine the 'best network' as high performing, energy efficient and sustainable. As demand for mobile networks continues to grow, without action, network energy use and related carbon emissions will too. Join this session to understand the key strategies for building high performing networks while consuming less energy and real-world case-studies that demonstrate how communications service providers are breaking the steadily climbing energy curve.

Bhushan Joshi is the Head of Sustainability & Corporate Responsibility at Ericsson North America and serves as the Chair of the Next G Alliance Green G working group. Bhushan is dedicated to advancing the Net Zero journey of the Information Communications Technology sector and advocates for North American leadership in sustainable 6G. With over 20 years of experience in creating and implementing results-oriented sustainability strategies, Bhushan brings expertise honed through an MBA in Sustainable Business Practices from Duquesne University and an undergraduate engineering degree from Ferris State University.

https://www.linkedin.com/in/bhushanjoshi1/

3:30 pm Steve Turner, Technical Leader, Consulting Engineer at Arizona Public Service – APS

Steve Turner

Steve is a technical leader and protection pioneer at APS Generation System Protection group. He has done
Palo Verde Numerical Protection SME and is an IEEE Senior Member. Steve is a IEEE PSRC Main Committee Member and on the IEEE PSRC Member - Subcommittee for Relay Practices and Subcommittee for J Rotating Machinery. He is also vice chairman of NERC PRC-005 Standard Draft Team and specialties include expertise with the following skill sets below. Complex fault calculations and symmetrical components, simulation of power system disturbances and recreation of major outages, He is an expert in the application of transmission, distribution and generator protection and a user of: ASPEN One Liner, ETAP, CAPE, Mathcad.

https://www.linkedin.com/in/steve-turner-technical-leader-and-protection-pioneer-5144724/

3:55 pm PDT Greg Billington, Senior Product Manager, Visa

Greg Billington

Mr. Billington is a Visa Sr Product Manager with a focus on sustainability, built global payments products from 0 to implementation with the largest financial institutions. Transitioning industries to focus on climate tech through an Executive MBA at Wharton. In 2016 Greg was the US Olympian and in 2020 US Paralympic Guide, winning gold in paratriathlon. Greg's climate tech interests include carbon removal, ESG investing, and hydrogen energy. Graduate of Visa's Olympian and Paralympian Business Development Program (OPBDP), a 24-month program for retired Olympians/Paralympians which places participants in four six-month rotations throughout divisions in the company. Greg has two years of experience as a Business Development Associate. He has delivered consulting engagements, signed issuing agreements, and launched a product website in the following functions: Visa Business Solutions, Visa Consulting and Analytics, Visa Direct Commercialization, and NA Community Issuer Sales. He is an Olympian and competed for the US Triathlon Team in the 2016 Olympic Games and, while working full-time at Visa, raced the 2020 US Olympic Marathon Trials, finishing 37th in 2:17:21. Mr. Billington is passionate about enhancing career performance through health and wellness based on skills developed during a 7-year professional triathlon career.

https://www.linkedin.com/in/gregorybillington/

4:20 pm PDT Pritpal Singh, Professor of Electrical Engineering, Villanova University

Pritpal Singh, Ph D

Dr. Pritpal Singh is a Professor of Electrical Engineering at Villanova University. He received his BSc in Physics from the University of Birmingham in England in 1978 and his Ph.D. in Applied Science/Electrical Engineering from the University of Delaware in 1984. Dr. Singh has been working in solar energy research for over 40 years, working right from the cell level to the systems level. He teaches postgraduate courses in power electronics, renewable energy systems, smart grid systems, and information, communication, and energy technologies for development (ICET4D). He ran his own solar business in India for five years and has consulted for the US Department of Energy and two private companies on solar electric systems. He has worked with UNICEF in Nicaragua, Burundi and Zimbabwe giving workshops on renewable energy and entrepreneurship. He has recently worked on humanitarian projects in Ecuador in renewable energy and connectivity with colleagues from the Escuela Politecnica del Litoral (ESPOL) in Guayaquil, Ecuador. Dr. Singh served as the IEEE Special Interest Group for Humanitarian Technology (SIGHT) Education Subcommittee Chair from 2017 - 2019 and is presently the Chair of the 2022 Partnerships Committee of the IEEE Humanitarian Activities Committee. He served as the Technical Chair for the 2020 IEEE Global Humanitarian Technology Conference as Co-Chair and host of the 2023 and 2024 IEEE Global Humanitarian Technology Conference. He was awarded the 2022 IFEES Duncan Fraser Global Award for Excellence in Engineering Education.

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