IEEE Cruise Conference

Thursday October 19, 2023, 8 am

Port Canaveral Florida

Welcome Aboard!

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IEEE Cruise Conference Thursday October 19, 2023

8:00 am Breakfast in Key Largo Dining Hall
11:00 am Announcements IEEE
11:05 am Announcing the Speakers
11:10 pm Introduction of the Key Note Dr. Melissa Sassi, Network, Partner, 'Women Start-Ups – Pitfalls to Avoid'
11:35 am Raimundo Rodulfo, Director of Innovation Technology, City of Coral Gables, CIO 'Traffic Com'
12:00 pm Jeff Glickman, 'Artificial General Intelligence: Bridging the Gap Towards Human-like Cognition'
12:25 pm Ron Zimmer, past CEO of the CABA, 'Intelligent Buildings + Smart Cities = Reduced Energy'
1:00 pm Lunch – Key Note Microgrid Consortium
3:30 pm Aaron Albritton, Crafting a proper Commissioning (Cx) Plan and Specifications for Systems Commissioning
3:55 pm Curtis Ashton, Director APS EastPenn, 'Li-Ion Ion Batteries, for home, telecom, UPS - Pros and Cons'
4:20 pm Gora Datta, Chairman CEO CAL2CAL Corp., 'Cyber Healthcare'
5:30 pm Dinner at the Key Largo Dining Room
7:30 pm Dr. Yu Yuan, President of IEEE Standards Association, 'Metaverse Is the Next Biggest Thing'
7:55 pm Karen Pedersen, PE, Pederson Power Solutions, IEEE President 2017, 'Ethics in Engineering'
8:20 pm Michael Shapiro, 'Microgrids and the Inflatiion Reduction Act' Michael Shapiro, LLC
8:45 pm Bob Dent, Past President at IEEE Society on Social Implications of Technology, 'Updates'
9:10 pm Fred Furguson, CEO and Founder, Waterotor Energy Technologies Inc 'Kinetic energy'
9:35 pm Dennis Walters, Chief of Staff, Stars Technologies Corporation, 'On Site Hydrogen Fueling'
10:00 pm EDT IEEE Prize Pack Giveaway
10:05 pm EDT Salute to our Speakers
10:10 pm EDT Happy Hour - first drink only Complements of Seattle CN IEEE
11:10 pm EDT End of Conference (See you Arizona for the IEEE Phoenix Tech Conference and Expo

Nationally Recognized Speakers

- William Hawkins, Principal data consultant, Enterprise Data Solutions, Inc. Lunar data protection
- Gora Datta, Chairman CEO CAL2CAL Corp, 'Cyber Healthcare'
- Raimundo Rodulfo, Director of Innovation Technology, City of Coral Gables, CIO 'Traffic Com'
- Karen Pedersen, PE, Pedersen Power Solns, IEEE President 2017 'Ethics in Engineering'
- Kishore Kadari, Embedded Software Engineer, 'Digital Twins', University of South Florida
- Muntaser Syed, 'Chat GPT', NVIDIA, GPU Developer Advocate
- Fred Ferguson, CEO and Founder, Waterotor Energy Technologies Inc 'Kinetic energy'
- Ron Zimmer, past CEO of the CABA, 'Intelligent Buildings + Smart Cities = Reduced Energy'
- Dennis Walters, Chief of Staff, Stars Technologies Corporation, 'On Site Hydrogen Fueling'
- Jeff Glickman, 'Artificial General Intelligence: Bridging the Gap Towards Human-like Cognition'
- Charly Esnal, Entrepreneur, Mana Tech 'Start Ups'
- Curtis Ashton, Director APS East Penn 'Li-ion batteries for homes, telecom, UPS Pros and Cons'
- Josh Robinson, IRISS, VP BD, 'Electrical Safety Infrared Windows'
- Dr. Melissa Sassi, P3 Network, Partner, 'Women Start-Ups – Pitfalls to Avoid'
- Alexander Pfalzgraf, 'Digital Transformation Manufacturing', Siemens
- Thomas Coughlin, IEEE President Elect 2024, 'Storage and Data in today's World'
- Chris Houghtaling, Raise Link, CEO, 'Start ups'
- Dr. Yu Yuan, President of IEEE Standards Association, 'Metaverse Is the Next Biggest Thing'
- Kartik Kukarni, Chair, Social Impact Committee, Distributed Systems and Blockchain Technologist
- Chris Widener, NYT and WSJ Best Selling Author, Motivational Speaker Hall of Fame, Keynote
- Ahmed Soliman, Researcher, Florida International University
- Michael Shapiro, PE, 'Microgrids and the Inflation Reduction Act' Michael Shapiro, LLC
- Priyanca Ford, Fusion Unlimited Clean Energy Kronos Fusion Energy
- Aaron Albritton, Global Director of Commissioning for Burr Computer Environments Inc.
- Binesh Kumar, Technical Project Lead for Atom Power, 'Technical Organizational Leadership'
- Andreas Fornwald, CEO Doosan Grid Tech, CEO, 'Battery Energy Storage Systems Utility'
- Bob Dent, Past President of IEEE Soceity on Social Implications of Technology, 'Updates'
- Babak Enayati, Director of Engineering, New Leaf Energy, 'Utility Scale Microgrids'

Lunar Data Protection

William Hawkins, Terrestrial & Lunar Data Protection & Security Practice Lead, designing & implementing Data Protection, Storage, and Edge Processing solutions on Earth and on the Moon. A Data Protection professional of 23 years with experience in hundreds of enterprises, Will clarifies the path to data management, data protection, and cyber security for the modern enterprise. With a significant background (17 years) in Commvault and a Master Certification to match, your Commvault environment is in the very best hands when you work with Will & EDSI.

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Cyber Healthcare

Cyber Health:

With the phenomenal rise of mobile devices & IoT-enabled solutions globally in the past few years, we have now entered the mobile age – the agricultural age, the scientific age, the industrial age, the information age and now the mobile age! Move over chalk & slate, paper & pencil, keyboards & laptops, here comes "swish, swipe & tap" on a mobile device. "Beam me up Scotty!". This global transformation is bringing a change that is impacting our world in every way - how we interact, play, read, write, watch, study, research, work or even relax. Traditional methods of doing research, developing solutions and subsequent adoption and utilization by end-users in this information & digital age at a break-neck speed is also seeing a change that is rapidly adapting/adopting to this wave. Regulators are scrambling to stay ahead of the curve by defining policies and regulations that will help leverage its benefits but at the same time, hopefully, not throttle or chock innovation.

Mobile Health is in the midst of this explosion however cyberhealth is a danger that most don't fully comprehend. A look at the world of Cybersecurity threats and risks that we live in related to CyberHealth. Given the wide coverage data breaches receives (and rightly so), all are very well aware of the term. Most people think that this is something that affects only large organizations/ companies and really doesn't impact individuals (unless they are part of an affected organization). ."After all what would a bad guy get from me when it can get much more money from a large company"! Do you know what "CyberHygiene" protocols to follow?

Gora Datta, Chairman & CEO CAL2CAL Corp

Gora DATTA, FHL7 is a US based serial entrepreneur and an internationally acknowledged Subjec t Matter Expert on Digital Health, Health Informatics Standards, CyberHealth and Health-Tech
Workforce initiatives. He is an accomplished, visionary executive with 38 years of international professional expertise in the field of Computer & Software Engineering and its application to Healthcare, Mobile Health, CyberSecurity, IoT, Blockchain, eLearning & Social Protection. His global professional experience spans many countries - Australia, Bangladesh, Canada, France, Greece, India, Indonesia, Japan, Kuwait, New Zealand, Niger, Norway, Philippines, Singapore, South Korea, Spain, Sweden, Switzerland, Tunisia, UK, and USA.

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Autonomous Intelligent Assistant for Real-Time Traffic/Energy Optimization: Traffic Automation and IoT projects.

Raimundo Rodulfo, is director of Innovation and Technology for the City of Coral Gables, CIO. He is an engineering and technology visionary leader, Chief Information/Innovation Officer (CIO). He is co-Chair NIST GCTC. He is a licensed Professional Engineer (P.E.), Florida and National NCEES Record. Electrical He holds an Electronics Engineer (P.E. EE, BSEE), Industrial & Systems Engineer (MSEM, GCES). He is an IEEE Senior Member (SMIEEE) and a IISE Senior Member. He is also a Certified Project Management Professional (PMP), Certified Six Sigma Black Belt (CSSBB), ITIL / Virtualization / SAP / Incident Management / PCI / HIPAA Certified Professional. Mr. Rodulfo is an award-winning engineering and technology visionary leader with 30 years of working experience delivering value, continuous improvement, sustainability, growth and innovation to customers and organizations in Telecommunications, Smart Cities, Information Technology and Electronics industries. He is currently employed as CIO / Director of Innovation & Technology at City of Coral Gables, Florida. Previously, held technical & managerial positions with Bellsouth/AT&T, Siemens, NCR, and Choice One Telecom/USA Telephone; and worked on joint projects with Motorola, Lucent, Agilent/HP, Alcatel, Microsoft, Cisco, IBM, Dell and other organizations in Illinois, California and Florida. Raimundo has led numerous successful enterprise infrastructure projects, developed strategic partnerships; engineered networks, hardware, software, systems, services, infrastructure, frameworks and applications; managed and improved business operations and developed vision and strategies for various organizations. He has participated as revision team lead and balloting member in IEEE, ISO, IEC engineering standards working groups, developing international standards and guidelines for engineering and management of systems, electronic appliances, smart cities, software, web and information services. He is an active member and participant of IEEE, IISE, NIST GCTC, PMI, IIBA, NSPE, FES, ASQ, CXO Governing Bodies, WBAF, NARAS, ASCAP and other professional organizations. He holds several professional licenses and certifications: Professional Engineer (P.E.), NCEES Record, Project Management Professional (PMP), Six-Sigma Black Belt (CSSBB), IEEE Senior Member (SMIEEE), IISE Senior Member, Certified Virtualization Expert (CVE), Payment Card Industry Professional (PCIP), HIPAA Master, SAP ERP Business Suite, Incident Management, and ITIL, among other credentials. He has graduated with a Master of Science in Engineering Management from Florida International University (FIU), a Graduate Certificate in Enterprise Systems from FIU, and a Bachelor of Science in Electrical and Electronics Engineering from National Polytechnic University.

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Ethics in Engineering

Karen Pedersen, PE, Pedersen Power Solutions, IEEE President 2017. Electrical Engineer with over 35 years of power industry experience including electric system planning, distribution planning standards, substation, transmission, distribution, economic dev. analysis, eval. of electric system losses, dev. of rates, demand forecasting, eval. of electric conservation, load research analysis, and writing substation operation guides. Exp. as a Forensic Engineer. Exp. in writing project justifications, writing supporting testimony and presenting for approval. Her specialties include Load Research, Electrical System Planning, Rates, Research Analyst, Economic Development Analysis, Substation siting, Transmission siting, Distribution siting, Substation Operating Guides, Distribution Planning Standards, Demand Forecasting, Data Marts, Electric system losses, preparing testimony, presenting testimony, evaluation of electric conservation.

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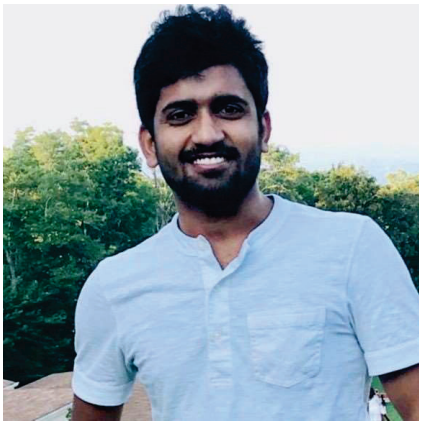
Digital Twins



Kishore Kadari, is an embedded Software Engineer, specializing in 'Digital Twins', at the University of South Florida. Mr. Kadari is a Ph.D. Candidate in the Electrical Engineering (EE) department at the University of South Florida (USF). His vision is to contribute to the advancements in high-level orchestration of healthcare services using AI, ML, computer vision, Model-Based Systems Engineering, and embedded development. His research Experience includes the following. He finished his master's degree with a thesis under Dr. Arash Takshi on "Electroplated 3D printed conductive track" in the EE department. He worked as a research assistant for Dr. Kwang Cheng Chen on privacy-preserved machine learning, SVM. He is currently working with Dr. Wilfrido Moreno, on a remote patient monitoring system that can accelerate the positive outcomes in healthcare using AI, and MBSE. His teaching Experience includes the following. He teaches microprocessor laboratory that covers Acorn RISC Machine (ARM) microprocessors (cortex M-M4, M33). He also assisted in the Embedded systems and control systems laboratory that covers the various controllers (proportional, proportional-derivative, proportional integral derivative), mathematical modeling, and stability. His industry experience includes the following. He worked on Unit Testing plan while the design phase of embedded software and testing after the design has finished (porting the NEC microcontroller to Renesas microcontroller, Unit test development, debugging using Oscilloscope) (Cardinal Health, Lucira). Secondly, he worked on Cybersecurity analysis for a medical device (Asset identification, system modeling for cybersecurity to ensure FDA regulations) (Wireless devices). Thirdly, he worked on Bluetooth Firmware Development on silicon labs gecko board for a healthcare product (J and J). Fourth, he worked on extensive Electrical Design Verification testing (DVT) (Keurig). Fifth, he created an experience in a startup company called Just Grow helped him learn responsibility and to maintain calmness in chaos from various business executives and CEOs. His strengths and Interests include the following. MBSE, IoT, AI, and Robotics, Statistical inference, PIC Microcontrollers. Microelectronics Fabrication (1 year of hands-on experience in the cleanroom environment including MEMS device fabrication. Electrochemistry). The operating Systems he uses is Windows (Vista to 10), Linux (Fedora, Ubuntu & Mint), and Mac OS (El Capitan). Software & Applications: Eclipse, Microsoft Visual Studio, and Github. He has proficiency in reading hardware specifications and schematics, Embedded C, Linux, MISRA. He has proficiency in debugging embedded software systems (JTAG, oscilloscopes, etc), model-based systems engineering, Cameo, Magic System of Systems. He has design thinking, passion for problem-solving.

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Chat GPT

Muntaser Syed, 'Chat GPT', NVIDIA, GPU Developer Advocate. Always looking to expand my skill set, experiences and horizons. Love working on and at the bleeding edge of technology. Hackathon enthusiast: attended many, won a few. Pursuing a PhD in Computer engineering, with research interests in Artificial Intelligence, IOT/wireless sensors, robotics and security.

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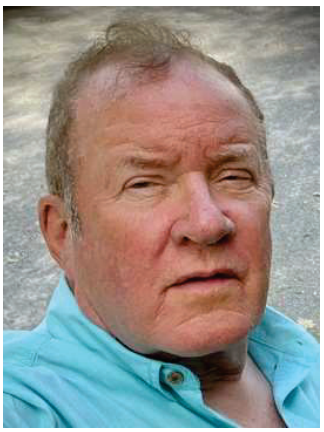
Fred Ferguson, CEO and Founder, Waterotor Energy Technologies Inc 'Kinetic energy'



Fredrick Ferguson, Mr. Fredrick (Fred) Ferguson, developed and tested a number of industrial inventions. Having led early startups in graphics manufacturing, aerospace, and more recently renewable energy technologies. Fred received the prestigious Canadian Award of Excellence for invention from Industry Canada, and is a past Director of the air industries Association of Canada, and recent Chairman of the AIAC, Canadian Civil Airworthiness Directorate. In the 1990s he was commentated, receiving an award from NASA 's Mars Outreach Program, for advanced vehicle design. Fred received a major award from British Petroleum (BP), on problem-solving, as detailed in US public school system Grade Nine (9) science textbooks. Fred founded and has been CEO of Waterotor Energy Technologies Inc. (www.Waterotor.com), since 2011. Fred created an invention that represents a huge breakthrough for electricity extraction, from very slow-moving water. Fred has utilized the meandering currents of a number of North American rivers to prove the value of this Waterotor technology. When a Waterotor is submerged in a 3 to 4 mph current, it converts more than half of the available kinetic energy into electricity. Output at very low competitive costs out while operating 24 hours per day, with no harm to fish or the environment. No other technology has been able to prove this percentage of electricity extraction in this very low speed water flow realm. Fred was born in Ottawa, ON, Canada, and spent 30 years as the lead developer of a unique airship system that could provide heavy lift for commercial, industrial and military applications. In the early 1990s his inventions lead a project with FedEx and the Lockheed Skunkworks (ULA project), that received US congressional support of $500 million. In the early 1980s Ferguson's Magnus Aerospace Technologies company obtained the only contract awarded in Canada under President Reagan's Star Wars Program (SDIO]. Fred's, high altitude, geostationary airship system could position five (5) tons of payload at 65,000 feet as an advance surveillance platform. The Magnus spherical airship prototype was flown at Ottawa International Airport for early testing, and was featured on Walter Cronkite's Universe TV show. Out of college, and prior to his foray into engineering, Frederick started APH Ltd., a leading graphics and advertising production company. Among its many clients were government departments and major national product chains. Within five (5) years, the company grew to be one of the largest in Eastern Canada and was purchased, becoming the Printing House franchise, within many Canadian cities. Mr. Ferguson grew up in Ottawa and his Scottish ancestry includes the American inventor Samuel C. Morris. Fred is a licensed helicopter pilot, avid skier and photographer, as well as a member of Tiger 21, Montreal Chapter.

https://www.linkedin.com/in/fred-ferguson/

Intelligent Buildings + Smart Cities = Reduced Energy

Ron Zimmer, past CABA President & CEO' of the Continental Automated Buildings Association, 'Intelligent Buildings + Smart Cities = Reduced Energy'.

Mr. Zimmer recently joined Waterotor Energy Technologies Inc. (www.Waterotor.com) as VP, Marketing & Sales. Ron has decided to come out of retirement to help solve one of the world's greatest problems...rising electricity needs. Waterotor technology produces electricity from slow moving water, like rivers, canals and ocean currents. This unique technology has been in development for 10 years and is now being introduced to the marketplace. This hydrokenetic technology joins other renewable energy producing technology with several inherent advantages, including being environmentally safe and producing electricity 24/7. For over 24 years, Ron worked as CABA President & CEO. He worked with industry leaders, who promote integrated systems and home/building automation throughout the world. CABA's members included manufacturers, dealers, installers, service providers, energy utilities, builders, consultants, research organizations, publishers, educational institutions, governments, associations and content providers. In addition to working closely with the CABA Board of Directors, Ron was actively involved with a number of industry Committees/Councils including the CABA Intelligent Buildings Council, CABA Connected Home Council, Intelligent Buildings Leadership Forum Advisory Board, Building Intelligence Quotient Advisory Board and he represented CABA on the Automation Federation and was appointed by Realcomm to the Advisory Board for the IBCon. He was, at AHR Expo 2018, appointed to the TrendControls Hall of Fame. He was also appointed to the Honorary Advisory Board for the 11th International High-Rise Federation (IFHS) conference from February 26-28, 2019 in Singapore. He was instrumental in establishing the CABA XML and Web Services Committee (oBIX), which now resides with OASIS. He was also on the transition team that integrated the Internet Home Alliance into CABA, which became known as CABA's Research Program. Ron is a Certified Association Executive with over 30 years of Association Management experience. He has authored a number of articles and documents including, "Smart Communities: A Concept Paper," and he regularly makes presentations on intelligent buildingsand connected homes at industry events.

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

Topic: Topic: Title: The H2-Now Approach: A Fast, Affordable Pathway to the Clean Hydrogen Economy

The development of a sustainable hydrogen economy has been hampered by the "chicken and egg problem" of what comes first, the hydrogen supply or demand. The H2-Now approach seeks to overcome this challenge by using small, distributed, onsite hydrogen generation to foster the rapid transition to the hydrogen energy economy. By leveraging existing natural gas and electrical grid infrastructure, and low-cost renewable feedstocks of water and biogas, H2-Now provides a fast, cheap, clean, and low-risk pathway forward. These systems can be deployed in distributed locations such as industrial sites and transportation hubs, where hydrogen demand and supply intersect, resulting in higher efficiency and reliability. By generating hydrogen onsite, the H2-Now approach also addresses the challenges of hydrogen transportation by rapidly providing low cost, clean hydrogen where it is needed. The H2-Now approach shows a great promise in unlocking the enormous potential of hydrogen technology and addressing the pressing issues of global warming, energy security, and grid stability. By leveraging established infrastructure, renewable feedstocks, and mass production economics, the H2-Now approach can provide a pathway towards the creation of a sustainable hydrogen economy that benefits both industry and the environment.

Dennis Walters is currently serving as the Chief of Staff at STARS Technology Corporation, a startup focused on the commercialization of microchannel chemical reactors and heat exchangers for producing hydrogen through steam methane reforming. Dennis is actively involved in the commercialization of the Silver STARS Hydrogen Generator. He has more than 40 years of experience in organizational management, electrical engineering, consulting, and operations. Prior to joining STARS Technology Corporation, he worked in various roles in the industry, government, and non-profit organizations, where he supported strategic planning initiatives. Dennis is an experienced leader, with a diverse range of skills and industry knowledge, who has played a critical role in the development and growth of STARS Technology Corporation.

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Advancements in Artificial General Intelligence: Bridging the Gap Towards Human-like Cognition

This conference lecture will present the latest breakthroughs and ongoing research in the field of Artificial General Intelligence (AGI), with a focus on approaches that bring us closer to achieving human-like cognitive abilities in AI systems. We will discuss novel algorithms, learning paradigms, and architectural innovations that enable AGI systems to perform a broad range of tasks, generalize across domains, and adapt to new environments. Key topics will include new learning systems, multi-modal integration, neural-symbolic reasoning, and the ethical and regulatory considerations surrounding AGI development. Attendees will gain insights into the current state of AGI research, its potential implications, and future directions for the field.

Jeff Glickman. Mr. Glickman specializes in Artificial Super Intelligence in Quantitative Finance CTO and is a computer scientist trained at the University of Illinois at Urbana-Champaign. His expertise is in artificial intelligence, image processing and stochastic computation. He holds numerous patents including foundational patents for machine learning and built the first artificial superintelligence. He is the Chair Emeritus of the Seattle Section of the Institute of Electrical and Electronic Engineers (IEEE), Senior Member of the IEEE, and previously served on the IEEE Technical Committee on Semantic Computing. He is President Emeritus of the American Society for Photogrammetry and Remote Sensing, Puget Sound Region and has served on the ASPRS Forensics Working Group and the ASPRS Student Advisory Committee. He served on the Washington State Forensic Investigations Council where he had oversight responsibilities for the Washington State Crime and Toxicology Laboratory system. Mr. Glickman is the past Chairman of the City of Hood River, Oregon, Planning Commission and the past Deputy Mayor of Woodinville, Washington. Mr. Glickman currently serves as Chairman and CTO of J4 Capital LLC, an Artificial Intelligence investment advisor. He is a frequent contributor on television, in newspapers, and at conferences.

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Entrepreneur Challenges

Charly Esnal, Entrepreneur, Mana Tech. Charly is passionate about entrepreneurship and networking between Latin American markets and the US which led him to be part of the Miami ecosystem. Now as the Managing Director of Mana Tech, he is building the ultimate entrepreneurship hub for international founders. A community built to connect with investors, mentors, and organizations to empower international founders. Merging Base Miami, our acceleration programs that supported 100+ startups in the last 3 years, with Mana Tech helped him and his team capitalize on their mission to help entrepreneurs realize their full potential. He and his group are focused in soft landing and impact growth. He does this through acceleration programs, venture investment, events and co working spaces.

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Li-ion batteries for homes, telecom, and UPS backup – pros and cons

Curtis Ashton. Curtis is the Training Director for American Power Systems LLC, a wholly-owned subsidiary of East Penn Manufacturing's Deka battery services division. Mr. Ashton has worked in telecom, electric utilities, and data centers for more than 30 years. In addition to being a degreed Electrical Engineer, he is a Master and Journeyman electrician. Curtis has been published many times, has presented at conferences all over the world, and owns one patent to his name. He is a past chair of the IEEE PES ESSB technical committee, a past vice-president of IEEE PELS TC7 (Intelec), a past vice-chair of ANSI/ATIS-STEP, and is the lead author or working group chair of well over a dozen international standards, in addition to significant contributions to many more. In his free time, he enjoys practicing his Spanish language skills, and refereeing high school basketball and soccer.

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Infrared Testing

Josh Robinson, IRISS, Vice president of IRISS North America. Mr. Robinson is an experienced CMB (Condition Based Maintenance) and Sales Professional with a demonstrated history of working in the mechanical or industrial engineering industry. He is skilled in Thermography, Ultrasound, Vibration, Manufacturing, Root Cause Analysis, Energy, International Sales, and Strategic Planning. Josh is a strong sales professional with a Bachelor of Business Administration (B.B.A.) focused in Marketing/Management from University of South Florida Sarasota-Manatee.

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Tech Venture Building is Broken: Unlocking the women entrepreneur growth journey

Ninety percent of small businesses fail, 75% of VC-backed startups fail, and less than 2% of VC funds go to women.

Dr. Melissa Sassi, P3 Network, Partner, Venture Partner Machinelab Ventures. Dr. Sassi will speak on tech venture building. The talk will focus on recognition and acknowledgement of the unique challenges faced by women founders. She will speak on agents of change and gender inclusion in venture building ecosystem. The inspired talk will call to action and fire up change in the world. She will wills share success stories on real women entrepreneur growth journey.

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Brand Transformation

Heather Thompson, Personal Branding, Executive Leadership Transformation, Blue Phoenix.

I thrive in the crucible of "it's never been done before." My multihyphenate pursuits spans theology, entrepreneurship, technology, art, community policing, DEI and more. An Acquired Savant Artist with synesthesia, I see things in ways few others can. I bring rare insight into disruptive innovation, including the emergence of healthcare AI. With more than 20 years as a healthcare futurist, keynote speaker, award-winning artist, rare disease advocate, published writer, and C-suite strategist, I possess a track record of excellence combined with the quiet humility knowing just how much I have yet to learn.

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

Digital Transformation Manufacturing

Alexander Pfalzgraf, is a Digital Transformation Manufacturing executive at Siemens. His everyday work is to make his customer's operations more efficient, digital, and sustainable. He does this by deeply evaluating the current status quo and challenging a picture of the future against that. His customers receive an implementation-focused digitalization roadmap as a result that they can use as their production blueprint for the next 5 years. He gained knowledge and experience in multiple engagements with 30+ clients from Chemical, Pharmaceutical, Food and Beverage, and the Water industries in countries all over the world including the US, UAE, and many European countries. Further, his broad technical experience in automation, networks, industrial software, and digital applications allow me to look at our customers operations holistically, and to deliver a tangible digital roadmap as output of my work. Obviously, he can't do this alone - this is why he has a motivated and talented team on his side, full of expertise and experience in all fields that are relevant for their customers in process industries. He is engaged and he will not disappoint you! Therefore, he is happy to discuss any ideas, opportunities, or collaboration options with you!

https://www.linkedin.com/in/alex-pfalzgraf/

Dr. Yu Yuan, President of IEEE Standards Association, 'Metaverse Is the Next Biggest Thing'

Dr. Yu Yuan, President of IEEE Standards Association, is a visionary scientist, inventor, entrepreneur, and investor in the areas of Consumer Technology, Multimedia, Virtual Reality, Internet of Things, and Digital Transformation. He has been a passionate volunteer in various leadership positions at IEEE and other professional organizations. He is also serving as a Director on the IEEE Board of Directors, a Member-at-Large on the IEEE Consumer Technology Society (CTSoc) Board of Governors, a Governing Board Member on the IEEE Blockchain Technical Community (BCTC) Governing Board, a voting representative on the IEEE Brain Technical Community Steering Committee, an Initial/Interim Director on the Metaverse Standards Forum (MSF) Board of Directors, the Honorary President of the Japan International Metaverse Association, and the Executive Vice Chair of the China Institute of Communications (CIC) Blockchain Committee. He has a Ph.D., an M.S., and a B.S. in Computer Science from Tsinghua University.

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Distributed Energy Resources

Stephen Almeida, Jr. is a Distributed Energy Resources, Renewable Energy Consultant, SME, EEI. He is an energy efficiency (EE), demand response (DR), and demand side management (DSM) program expert with over 17+ years' experience in the energy industry. He possesses a deep understanding of supply and demand side energy markets, including utilities, ESCOs, brokerages and aggregators. He specializes in the field of Distributed Energy Resources and their integration spanning Battery Storage, Fuel Cells and micro-Clean Heat & Power systems. He is a seasoned Energy Professional with a proven ability to develop successful businesses cases for multi-million-dollar investments in commodity purchases, EE, DR and DSM projects. Trusted advisor for Distributed Generation and Renewables. He has a keen ability to identify and build partnerships identifying and delivering profitability.

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

Software Storage Systems

Thomas Coughlin, IEEE President Elect 2024 and is an experienced Owner with a demonstrated history of working in the digital storage industry. Skilled in Hard Disk Drives (HDDs), Solid State Drives (SSDs), Magnetic Tape, Storage Area Network (SAN), Network Attached Storage (NAS), Cloud Storage, Professional Services, Software as a Service (SaaS), Business Alliances, and Business Development. Strong technical development professional with a Doctor of Philosophy (Ph.D.) focused in Electrical and Electronics Engineering from Shinshu University.

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Start ups

Chris Houghtaling is part of Raise Link; CEO I am currently the CEO of a startup. We are launching on the market in Q1. Chris' background is in Sales Leadership and Strategy across industries. He has spent most of the previous 10+ years as a consultant to global fortune 200s and working with startups, accelerators/incubators, corporate innovation, and investors in Europe and the US. A great topic would be how corporations can cooperate with startups to bring innovation into their companies.

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

Blockchain

Kartik Kukarni, Chair, Social Impact Committee, Distributed Systems and Blockchain Technologist. The UN Sustainable Development Goals (SDGs) cannot be achieved by 2030, unless there are improved technical mechanisms for collaboration and coordination, including teamwork, learning and sharing, intelligence gathering and accelerating knowledge and scientific breakthroughs. The lack of comparable social impact measurement systems is a major roadblock for unifying activities, investments and analysis of progress towards the UN SDGs. The goal of this activity is a citation system for data, algorithms and data usage. Funders whether private, public, philanthropic or for-profit can blend their funds into appropriate projects that do not spread harms. To facilitate this, we aim to track project inputs and outputs more transparently, in ways that can be audited, with focus especially on projects with sustainable outcomes. We recognize that it is the information made available for analysis and audit on an evolving basis that is critical to achieve this goal.

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

Motivational Speaker

Chris Widener, NYT and WSJ Best Selling Author, Motivational Speaker Hall of Fame, Keynote. Are you a company executive or conference organizer charged with delivering a hard hitting yet inspirational approach for your sales team, leadership team or professional attendees? Are you looking for the formula that will have your audience walk away declaring that this was the best event in which they have ever invested their time? My life-long driving question is: "Why is it that some people succeed in leadership and sales and other people don't?" For over thirty years now, Chris has answered that question for audiences at some of America's finest organizations — Microsoft, AT&T, General Electric, Cisco Systems, and the Harvard Business School—over 1,200 presentations to audiences as large as 20,000 people. A seasoned businessman, Mr. Widener has shared the stage with US Presidential candidates, nationally known television news anchors, best-selling authors, and professional athletes. He will be the easiest speaker you have ever hired! He customizes his presentation for the audience on the topic of Leadership, Influence, Sales, Teams or Business and, if requested, He will provide additional custom services such as pre-conference interviews and/or follow-up conference calls will provide additional value-added services to help you provide the best experience for your attendees. He teaches the attendees how to lead better and sell more by gaining trust, respect, admiration and loyalty from those they work with!

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Technical Management

Ahmed Soliman, Researcher, Florida International University and Doctoral Candidate.

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Michael Shapiro is an exective specializing in program management and Alternative Delivery (AD) mega-projects for transportation and Infrastructure. He has been managing AD projects for 30 years and has participated in the management for major proposals and execution of the final design and construction on more than 43 projects valued at $29.0 billion, including nine P3s valued at $11.0B. Mr. Shapiro opened Michael S. Shapiro Consulting LLC in March 2019. He was also co-founder of Construction and Transportation Solutions. Mr. Shapiro has been Executive Design Director with Walsh Construction, Design Build Manager with STV Inc., Capture Manager with AECOM AD Group and Deputy Director and Chief Operating Officer for AECOM's AD Group. Over the last three years he has been focused on renewable energy including wind and microgrid. He is also an expert on Federal Legislation, especially on the IIJA and IRA (Inflation Reduction Act).

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Fusion Energy

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

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Future Charging Infrastructure

MoveEV is the first-of-its-kind AI-driven green tech solution designed to make switching to electric vehicles easy. MoveEV offers software and services for both fleet and employee-owned vehicles. For Fleets: MoveEV was founded by a team of mobility experts to help organizations optimize and manage the transition of fleet and company-owned assets to EVs with AI-backed fleet conversion, planning, and management software. MoveEV's team of experts and project managers oversee the entire process and provide new KPIs and metrics for reporting on vehicle emissions and future charging infrastructure needs. For Employees: MoveEV's groundbreaking HR benefits solution supports employers' green initiatives while helping employees transition to electric vehicles. The platform guides employees through the entire EV adoption process, first calculating the environmental and economic impact of their current commuting habits, and then offering a personalized path to electrification including: finding the right vehicle, monitoring supply chain issues, suggesting appropriate charging, and navigating applicable federal, state, and local incentives. Employers get new KPIs and sustainability metrics.

David Lewis, CEO and Founder of MoveEV Democratizing access to electric vehicles with software solutions. The US is lagging the rest of the world in EV adoption. We help corporations and local governments take control of their electric vehicle opportunities. Specifically interested in saving people money on gas and reducing individual carbon footprints by 25% with one MOVE.

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Electrical Commissioning.

Aaron Albritton, Global Director of Commissioning
Aaron is the Global Director of Commissioning for Burr Computer Environments Inc. (BCEI). Aaron graduated from the US Navy Nuclear Power Training Command in Charleston, SC and operated the electrical power generation and distribution system on the USS Montpelier (SSN-765) Los Angeles Class Attack Submarine out of Norfolk, VA. He has worked as an industrial electrician in the steel and textile industries. Aaron is an experienced NETA 3 electrical testing technician and currently holds NICET electrical test technician, level 3 Thermographer, and ASHRAE Building Commissioning Professional (BCxP) certifications. He has performed electrical testing and commissioning in datacenters, airports, utilities, hospitals, and various commercial/industrial facilities. Most recently, Aaron has commissioned a 14MW datacenter in Santiago, Chile, and the new $2.5 billion Terminal C project at the Orlando International Airport.

Crafting a proper Commissioning (Cx) Plan and Specifications for Electrical Systems Commissioning

In today's world of ever-increasing electrification of everything, smarter and more efficient distribution systems are key to a building's performance and sustainability. With traditional building commissioning being centered around HVAC systems, controls, and lighting, a new perspective needs to be given to how buildings are tested and commissioned, given the complexity of today's distribution systems. A key to fostering this new perspective is having a clear direction from and for the commissioning team as it pertains to the commissioning of electrical systems. With so many standards out there from NETA, to NFPA, IEEE, and others, it is in the best interest of the clients and the entire design and construction teams to have a specific, detailed Cx Plan and Process in place early in the development of a project. This discussion will be on the importance of creating a properly thought out Cx Plan and set of Cx specs for the team to follow during the construction process to ensure the project is delivered to the client ready for Operations and Maintenance staff to take over.

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Smart Buildings

Binesh Kumar. Mr. Kumar helps take innovative ideas to the market through technical and organizational leadership. He is a vibrant and highly self-motivated engineering leader with expertise in R&D, product development and leading technological innovation. He is passionate about technologies that shape the future and further humanity. Binesh fancies new ideas, and helps realize them with his problem-solving ability, critical thinking, technical and leadership skills. His ability to shift gears between diving deep into the weeds and zooming out to have a bird's eye view has brought tremendous value to the businesses, products and people that he has engaged with. He is ago-getter who constantly challenges himself, goes outside the comfort zone and has the ability to adapt to new circumstances and environment. Mr. Kumar thrives in uncertainty, cherish challenges and hustle towards a better himself each day. He currently works at Atom Power as an Electrical Engineering manager, leading the design and qualification of a product portfolio that redefines the power and energy, electrified transportation sectors. He and his group are creating a safer, smarter and more intelligent system based on solid state technology, enabling the grid transition towards the future of energy. His core technical skills include deep technical areas of expertise include embedded system design, IOT, firmware and electronics design in the electrical and energy sector. I get thrilled about controlling hardware through software, and the endless possibilities and applications of such a synergy. He aims to utilize these skills towards sustainability, including smart buildings, grid and cities. He loves to create and innovate. His hobbies and Interests include belief in a strong and well networked community. He volunteers by organizing events for students and young professionals. He is a passionate musician and a public speaker, thriving towards making the world a better place. He also does home electronic projects and tinkers with new and exciting projects based on latest trends.

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Energy Management and Technology

Bob Dent, Past President at IEEE Society on Social Implications of Technology. Bob graduated from Stevens Institute with a Bachelors in General Engineering and New York University Polytechnic school of Engineering with a Master of Science in Management and Electric Power Engineering

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Microgrid Designs and distributed Energy Generation

Babak Enayati, has been involved in various power system projects including micro-grids design and control- Distributed Generation Interconnections- Power System Protection Engineering- Core loss modeling and measurement in Electrical Machines-Nonlinear Control Systems for Electrical Machine Drives and Smart-grid Standards. Currently, my responsibility at National Grid is to lead the Technology Deployment team, which is responsible to deploy new technologies on National Grid's electric transmission network.

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Andreas Fornwald is the CEO Doosan Grid Tech. Throughout his career Andreas is an Award-Winning Executive, he has been called on time again to drive innovative transformation within organizations ranging from $60M to $100B global businesses. This has been demonstrated through proven performance managing revenue goals of up to $600M, operational budgets of up to $10M, and capital expense budgets of up to $40M. He is proficient in seven languages, which has been a vital asset maximizing global business growth. In addition, he is currently serving as a member on global boards including the Texas Association of Business and the Energy committee of the German Parliament. As a manager and mentor, he has recruited and advised teams of up to 400 while establishing the infrastructure that has accelerated performance in diverse economic environments in over 64 countries on 4 continents.

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Distributed Energy Resources - digitalization and electrification

Kaveh Aflaki, IEMS executive Board member. Highly energetic, focused, self-motivated, success-oriented leader. Spend several years in different positions and institutes to develop leadership skills especially in Emotional Intelligence, Use of Power and Influence, Building High Performance Teams, Motivating Others Toward Performance, Problem Solving – Root Cause Analysis, Managing Change in a Changing Environment, Goal Setting, Creative Thinking and Kick Starts, Problem Solving and Corrective Action Facilitation, Personal Development – Assessments and Coaching, Personal Development – Working Better With Others. Focused on adding value to the people and organization. Technically more focused on research, development and support for different project including but not limited to wind and solar energy integration into WECC bulk electricity grid, Smart Grid and Microgrid Strategy, Technology, Regulatory Transmission Planning for WECC based on DOE 2030 RPS goals, Congestion analysis for large scale power system, Demand Response Management, Distributed Energy Resource operation and management like Home based PV systems Electric Vehicle Integration, Green Buildings including Home and Buildings Automation, SCADA (Supervisory Control And Data Acquisition) development for Smart grid and Microgrid.

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Mike Brisbois, Conference Director. Mr. Brisbois is an Electrical Engineer with design experience, project management and leadership skills. He has worked in the building, space and technology sectors. He has hosted and presented at many technical sessions and conferences. He is a technical competent leader and able to get things done. Mr. Brisbois has his Professional Engineering license in the State of Washington, Oregon, Texas, Illinois, California, and Missouri. His focus is on leading sustainable energy projects. Completed the Certified Energy Management course. He is a board member on several technical organizations.

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Thank You!

See you in Phoenix in December 8, 2023

IEEE Phoenix Tech Conference and Expo

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