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FOUNDATION

WOMEN IN BATTERIES CONFERENCE

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 RE:BUILD
MANUFACTURING

AGENDA

11:00 AM - 11:30 AM PT Registration & Networking

11:30 AM - 12:00 PM PT **Lunch**
Sponsored by QuantumScape

12:00 PM - 12:30 PM PT **Opening Remarks**

*Nika Ptushkina, Volta Foundation
Jimmy Chen, Stanford Energy StorageX
Katharina Gerber, NaatBatt International
Marie Herring, Mitra Chem
Shanita Woodward, Honeywell*

12:30 PM - 1:00 PM PT **Keynote Speaker**

Join Dr. Catherine Corrigan, CEO of Exponent, for a thought-provoking address on the journey, challenges and successes of being a female in STEM.

1:00 PM - 2:15 PM PT **Panel Discussion: Empowering Women in Batteries**

Join an engaging discussion featuring influential women in industry, exploring topics such as career growth, overcoming barriers, and strategies to promote inclusivity. Panelists include:

- *Moderator: Nika Ptushkina - Technical Product Manager, PDF Solutions*
- *Linda Gaines - Systems Analyst, Argonne National Laboratory*
- *Celina Mikolajczak - Chief Battery Technical Officer, Lyten*
- *Jill Pestana - Manager, Accenture*
- *Marca Doeff - Senior Scientist & Deputy Division Director, Lawrence Berkeley National Laboratory*

2:15 PM - 2:45 PM PT **Networking Break & Headshots**
Sponsored by Re:Build Manufacturing

2:45 PM - 4:00 PM PT **Fireside Chat: Innovations in Batteries**

Join an inspiring fireside chat with leading innovators and researchers in the battery industry, sharing cutting-edge advancements and emerging trends. Panelists include:

- *Moderator: Johanna Nelson Weker - Lead Scientist, SLAC National Accelerator Laboratory*
- *Barbara Hughes - VP, Energy Storage, Forge Nano*
- *Paige Johnson - CEO, Ten-Nine Tech*
- *Tracey Atkinson - Sr. Manager, Cell Engineering Tesla*
- *Katharina Gerber - Engagement Lead, Siemens & VP, NAATBatt*

4:00 PM - 4:30 PM PT **Networking Break & Headshots**
Sponsored by Re:Build Manufacturing

4:30 PM - 5:45 PM PT **Workshop: Fostering Inclusive Work Environments**

An interactive workshop led by expert Nika Ptushkina, PDF Solutions & Volta Foundation,, focusing on actionable strategies to create inclusive workspaces and support diverse talent.

5:45 PM - 6:00 PM PT **Closing Remarks**

6:00 PM - 7:00 PM PT **Networking Reception**
Sponsored by Lyten

SPEAKERS & PANELISTS



Dr. Catherine Corrigan
Chief Executive Officer
Exponent

Dr. Catherine Corrigan is the President and Chief Executive Officer of Exponent, a publicly traded, global engineering and scientific consulting firm. Exponent's interdisciplinary organization of scientists and engineers draws from over 90 technical disciplines to solve the most pressing and complicated challenges facing stakeholders today. The firm leverages over 50 years of experience in analyzing accidents and failures to advise clients as they innovate their technologically complex products and processes, ensure the safety and health of their users, and address the challenges of sustainability.

Dr. Corrigan joined the Company in 1996, was promoted to Principal in the Biomechanics Practice in 2002, and to Corporate Vice President in 2005. In 2012, she was appointed Vice President of Exponent's Transportation Group, overseeing the company's Vehicle Engineering, Biomechanics, Human Factors, and Statistical and Data Sciences practices. She was appointed President of the Company in 2016 and Chief Executive Officer in 2018. Dr. Corrigan has consulted in the area of injury biomechanics and on issues related to motor vehicle and product safety for more than twenty years. Dr. Corrigan holds a Ph.D. in Medical Engineering from the Harvard-MIT Division of Health Sciences and Technology, an M.S. in Mechanical Engineering from MIT, and a B.S.E. in Bioengineering from the University of Pennsylvania. She was elected to the National Academy of Engineering in 2021.



Nika Ptushkina
Technical Product Manager
PDF Solutions

Nika Ptushkina is a Technical Product Manager at PDF Solutions, specializing in software & hardware inline manufacturing quality solutions for the battery industry. As the first employee at Canadian startup, Machinery Analytics, she played a pivotal role in the startup's acquisition by PDF Solutions, contributing significantly to the company's growth trajectory.

Nika also strongly supports the growth and diversity of the battery space, being an author for the Battery Report 2023 and leading the Women in Batteries initiative by Volta Foundation. The goal of her Women in Batteries project is to empower women leaders to create positive change. Nika's dedication to driving innovation and excellence in battery technology is evident in her multifaceted contributions to the industry.



Linda Gaines
Systems Analyst
Argonne National Lab

Linda Gaines is a Transportation Systems Analyst in the Energy Systems and Infrastructure Analysis Division at Argonne National Laboratory. She holds a BA in Chemistry and Physics from Harvard, and a Ph.D. in Physics from Columbia. Her primary interest is problem solving, applied to efficient use of resources. Her most recent work has involved studying ways to reduce impacts from transport by more efficient materials use and recycling of lithium-ion batteries. She was the founding Chief Scientist of the ReCell Center, a founding editor of the journal Sustainable Materials and Technologies, and serves on the Editorial Board of Scientific Reports.



Celina Mikolajczak
Chief Battery Technology Officer
Lyten

Celina leads the battery engineering team in commercializing and manufacturing the first North American-based lithium-sulfur cell technology at scale. Having been a battery technology executive at some of the top companies in the industry, such as Tesla, Panasonic, Uber, and QuantumScape, Celina has unparalleled experience and knowledge in the highly sophisticated areas of material engineering, cell engineering, manufacturing engineering, manufacturing operations, supply chain, and battery regulatory strategy that work in concert to deliver commercially viable, high-quality, and qualified battery architectures for the automotive, aerospace, micromobility, and consumer electronics sectors. Developing a fully US-based battery supply chain has been a passion of Celina's for years as she recognizes the opportunity to accelerate the dimensions of sustainability, safety, and the re-shoring of critical North American cell manufacturing jobs at a time of significant geopolitical and supply chain risk.

As an expert in the field of new battery technology, Celina has contributed to dozens of papers and delivered numerous speeches in the automotive, battery, and clean tech industries. She essentially wrote the book on battery safety (Lithium-ion Batteries Hazard and Use Assessment). She is currently a member of multiple Advisory Boards in the battery field and is the "Manufacturing & Infrastructure Committee Chair" at the Li-Bridge Initiative. For her accomplishments, determination, and vision, Celina has become a renowned international business leader, influencer, and role model, especially for women in engineering. She was most recently named to Business Insider's "2022 Top 100 People Transforming Business" list and was named by the Silicon Valley Business Journal as one of its "Women of Influence" for 2022. In 2020, Celina was also named to Automotive News' "100 Leading Women in North America". Education: BS, Engineering and Applied Science, California Institute of Technology; Master's degree in Mechanical and Aerospace Engineering, Princeton University.

SPEAKERS & PANELISTS



Marca Doeff is a senior scientist and deputy division director of the Energy Storage and Distributed Resources Division at Lawrence Berkeley National Laboratory. She received her B.A. in Chemistry from Swarthmore College, Swarthmore PA in 1978 and a Ph.D. in Inorganic Chemistry from Brown University, Providence RI in 1983. After postdoctoral work at the University of California, Santa Barbara and Berkeley, she joined the Naval Ocean Systems Center in San Diego, CA in 1986 to do research on antifouling coatings. She joined Lawrence Berkeley National Laboratory in 1990, where she began research related to electric vehicle batteries. Her current research, funded by the U.S. Department of Energy and California Energy Commission, focuses on materials for lithium-ion batteries, sodium-ion batteries, and solid-state batteries and she has published over 160 peer-reviewed papers and patented extensively in these areas. Her google scholar h-index is 70. She is currently Secretary of the Electrochemical Society and is a fellow of that Society as well as of the Royal Society of Chemistry. She is the recipient of a R&D100 award in 2020, a Distinguished Achievement award from the U.S. Department of Energy Office of Vehicle Technologies in 2023 and the Electrochemical Society San Francisco Section award in 2024.

Marca Doeff

Senior Scientist & Dep. Division Director
Lawrence Berkeley National Lab



Jill Pestana is an accomplished leader, scientist, and entrepreneur in the field of battery technology. She currently leads the battery consulting team in North America at Accenture, providing support and guidance on battery technology for Fortune 500 companies. Jill has worked at the forefront of battery technology development for 12 years, and her expertise has helped to shape the industry in innovative ways. She is an inventor of 15 patents related to battery technology. She also volunteers as an advisor for JEDI at the Volta Foundation, working towards a more inclusive and equitable battery industry. In addition to her work at Accenture, she shares her knowledge through her "battery famous" YouTube channel, Across the Nanoverse, where she provides accessible and engaging educational content. She lives in Santa Barbara, CA and enjoys hiking, salsa dancing, playing music, and beach sunsets!

Jill Pestana
Manager
Accenture



Johanna Nelson Weker is a lead scientist at SLAC National Accelerator Laboratory. Her research primarily focuses on synchrotron-based X-ray characterization of energy storage materials and systems far from equilibrium. In addition to leading a vibrant research group, she also leads the Hard X-ray group within the Materials Science Division (MSD) at Stanford Synchrotron Radiation (SSRL). Dr. Nelson Weker graduated in 2005 with a B.S. in mathematics and physics from Muhlenberg College, a small liberal arts college in Allentown, PA. In 2010, she received a Ph.D. in physics from Stony Brook University on Long Island, NY, where she studied Coherent Diffractive Imaging (CDI) with X-rays, microscopy technique that eliminates the need for X-rays lenses. Since then, Dr. Nelson Weker has been working at SSRL, first as a postdoc using x-rays to study Li-ion batteries under operating conditions and later as a staff scientist in MSD at SSRL. Dr. Nelson Weker recently received an Early Career Award from DOE to develop multiscale 3D imaging for battery pouch cells and other flat-geometry samples which do not image well using standard tomography techniques.

Johanna Nelson Weker
Lead Scientist
SLAC National Accelerator Lab



Paige Johnson is the founder and CEO of Tulsa-based Ten-Nine Technologies. Her professional and entrepreneurial background spans energy, chemistry and nanotechnology in both industry and academia. Her scientific endeavors were sparked by the gift of a microscope for her 11th birthday and led her to a master's degree in Chemistry and at least one patent granted at every place she ever worked. She founded Ten-Nine Technologies in 2014 with a dream of creating new materials for new economies. Today, Ten-Nine Technologies is bringing to market breakthrough materials for the energy and chemical industries across a broad range of applications including energy storage. Ten-Nine's proprietary nano additive, TENIX®, is the only new material to address the performance limitations of cathodes and is domestically produced with a carbon neutral footprint.

Paige's principles of curiosity, generosity and authenticity are the basis for Ten-Nine's culture. In her spare time, she explores landscape design and helps formerly incarcerated women start their own small businesses.

Paige Johnson
Chief Executive Officer
Ten Nine Technologies

SPEAKERS & PANELISTS



Barbara Hughes
VP, Energy Storage
Forge Nano

Dr. Barbara K. Hughes is Forge Nano's Vice President of Energy Storage Applications and coordinates all Battery construction, scale-up, and testing activities at Forge Nano. She is a leading expert in the synthesis and characterization of next gen materials for energy conversion and energy storage applications. She received her PhD in Materials Chemistry from the University of Colorado, Boulder with an emphasis on synthesis and surface functionalization of nanomaterials, followed by a postdoc at NREL where she focused on polymer-based battery technologies. With over 15 years of experience in interfacial nanomaterials chemistry and novel battery applications, she serves as technical lead for the Battery Innovation Line at FN.



Tracey Atkinson
Sr. Manager, Cell Engineering
Tesla

Tracey Atkinson leads cell engineering and program management at Tesla with a focus on cell development with external partners. Since joining Tesla in 2016, she has held roles focused on battery materials, supply chain, and cell product development. Prior to Tesla, Tracey received her B.S and M.S. in Chemical Engineering from Stanford University.



Katharina Gerber
Engagement Lead & VP
Siemens & NaatBatt International

Katharina is the Engagement Lead for the Battery Vertical at Siemens DISW. With her 15+ years of experience in the battery industry ranging from the direct lithium extraction to dry battery electrode process, her mission is to bring value to the wide range of battery companies. In addition to her role at Siemens, Katharina is a Vice President of NAATBatt International and a Co-chair of the "Electrode Materials Committee" at NAATBatt.

Katharina holds a doctorate degree in Battery Materials from the University of Bonn, Germany.

ABOUT WOMEN IN BATTERIES

Our mission is simple: empower women in the battery industry to create positive change.



COMMUNITY BUILDING

Build a community of engaged leaders to take action and to ensure that our industry is a kind and welcoming place for everyone



IDENTIFY GAPS

Collectively identify issues in the industry that need to be addressed with a focus on statistics & research



ENABLE CHANGE

Enable and empower leaders to make true changes in the industry, fostering innovation and progress.

VIRTUAL INTERVIEW SERIES

Join a powerful network that amplifies women's achievements in the battery industry. Create positive changes with female professionals and allies who are passionate about fostering diversity, knowledge sharing and women's leadership at live interviews with women leaders and role models to inspire and educate our members.

Learn more at volta.foundation/women-in-batteries

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Volta Foundation is the world's largest professional network for the battery industry. As a global not-for-profit association of more than 50,000+ battery professionals and 160+ member companies, Volta Foundation produces publications, networking opportunities, and industry resources to foster collaboration, innovation and advocacy within the battery industry.

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