

News Release

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EMD Electronics highlights Innovations in Materials Intelligence™ and AI at SEMICON West 2024

- **EMD Electronics will showcase innovation addressing the semiconductor ecosystem's greatest opportunities and challenges in R&D, sustainability, and workforce development through collaboration**

Tempe, Arizona, June 20 – EMD Electronics, the Electronics business of Merck KGaA, Darmstadt, Germany in the U.S. and Canada, has announced its plans for SEMICON West 2024. Highlights of this participation include two keynote presentations at the show's CEO Summit by Kai Beckmann, Member of the Executive Board of Merck KGaA, Darmstadt, Germany, and CEO Electronics, and John Langan, Chief Technology Officer of Electronics. The company's contribution to the official SEMICON West program will showcase its Materials Intelligence™ as an enabler of AI and semiconductor innovation, along with its commitment to advancing R&D, sustainability, and workforce development through collaboration. SEMICON West will take place from July 8th to July 11th in San Francisco, CA.

"As a long-standing SEMI member, we are excited to participate in SEMICON West 2024, where the theme *Stronger Together* resonates deeply with our vision of a vibrant collaborative ecosystem where our industry can truly thrive," said Kai Beckmann. "We're proud of our commitment to collaborative leadership in every critical step of the value chain, offering a blueprint for accelerating innovation, sustainability, and manufacturing prowess".



News Release

EMD Electronics will join thousands of semiconductor industry professionals from the global electronics supply chain at SEMICON West. Attendees will include the companies providing the equipment, materials, software, devices, and services that enable the technologies used to create a smarter world. This year's theme, "Stronger Together," advocates for partnership and collaboration to effectively address the industry's opportunities and challenges.

SEMICON West EMD Electronics' Program Highlights

Moscone Center, San Francisco, CA

July 9th 2024

14:15 - 14:40 PST

Kai Beckmann, Member of the Executive Board of Merck KGaA, Darmstadt, Germany and CEO Electronics, will give a keynote at the [CEO Summit: Investing in America's Manufacturing Future](#). During this keynote, Kai Beckmann will present compelling examples and practical insights on how to harness the power of collaboration to address the most pressing challenges in the semiconductor industry.

July 10th 2024

9:35 - 10:00 PST

John Langan, Chief Technology Officer of Electronics, will present "**AI for AI: Empowering Confident Decision-Making in the New Era of Materials Science.**" As part of the CEO Summit: [CEO Summit: Seizing the Global Opportunities and Challenges Ahead](#), Langan will share how EMD Electronics is revolutionizing material discovery by leveraging data and AI to enable significant leaps in material science throughout the entire R&D workflow – from ideation to experimentation.

10:20 -10:40 PST

Katherine Dei Cas, Executive Vice President and Head of DS&S and Spec Gases, will be joined by Andrew Byrnes, MS, Director of Venture Capital at Micron and Ted Jeffries, Sr. Director, Supply Chain Responsibility at Intel for a fireside chat panel titled "[How Large Semiconductor Companies Engage with Startups.](#)"

News Release

Additional Event Speakers and Panelists:

July 9th 2024

12:00 to 12:30 PST

Samira Bagheri, Senior Operations Manager moderating the panel "[Unleashing the Potential of AI/ML in Revolutionizing Electronics Materials Manufacturing](#)". The panel also includes Laura Matz from Athinia, Michelle Sun from Dupont, Pawitter Mangat from GlobalFoundries, and Pawitter Mangat from GlobalFoundries

13:30 - 13:55 PST

[Bridging the Gender Gap through Grassroots Initiatives Led by Women](#), **Joy Racowski**, Process and Product Development Engineer and Samira Bagheri, Senior Operations Manager

July 10th 2024

11:00 - 11:55 PST

[Strengthening the Talent Pipeline: The Effectiveness of Rotational Programs](#), **Francesca Domingo**, Head of University Relations & Talent Strategy and Anjali Patel, Research & Development Engineer, Goglobal Graduate

13:30 - 14:00

[Innovation on Process Gases](#), **Ralph Dammel**, Technology Fellow

14:20 - 15:20 PST

Helmer Fredrich, Head of Customer Fulfillment of Electronics participating in a panel titled [Creating a Robust & Resilient Supply Chain Risk Management Program](#)

Additional details regarding EMD Electronics' presence at SEMICON West may be found [here](#).

News Release

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About EMD Electronics

EMD Electronics is the Electronics business of Merck KGaA, Darmstadt, Germany in the U.S. and Canada. EMD Electronics' portfolio covers a broad range of products and solutions, including high-tech materials and solutions for the semiconductor industry as well as liquid crystals and OLED materials for displays and effect pigments for coatings and cosmetics. Today, EMD Electronics has approximately 2,000 employees around the U.S., with regional offices in Tempe (AZ) and Philadelphia (PA). For more information, please visit www.emd-electronics.com.

About Merck KGaA, Darmstadt, Germany

Merck KGaA, Darmstadt, Germany, a leading science and technology company, operates across life science, healthcare and electronics. Around 63,000 employees work to make a positive difference to millions of people's lives every day by creating more joyful and sustainable ways to live. From providing products and services that accelerate drug development and manufacturing as well as discovering unique ways to treat the most challenging diseases to enabling the intelligence of devices – the company is everywhere. In 2023, Merck KGaA, Darmstadt, Germany, generated sales of € 21 billion in 65 countries.

The company holds the global rights to the name and trademark "Merck" internationally. The only exceptions are the United States and Canada, where the business sectors of Merck KGaA, Darmstadt, Germany, operate as MilliporeSigma in life science, EMD Serono in healthcare and EMD Electronics in electronics. Since its founding in 1668, scientific exploration and responsible entrepreneurship have been key to the company's technological and scientific advances. To this day, the founding family remains the majority owner of the publicly listed company.

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