

SEMICON® EUROPA

NOV 12-15, 2024 | MUNICH, GERMANY

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Future of Work: Skills & DEIB

C. Melvin
Senior Director, Business Development and
Operations
SEMI Europe, Berlin, Germany



Body

Coming Soon

Biography

Cassandra Melvin received her BS in Business Management and Neuropsychology at Rensselaer Polytechnic Institute and is Director of Operations at SEMI Europe.

For the nine years prior to joining SEMI, she held the position Global Product Manager at Atotech Deutschland GmbH, where she was responsible for managing several hundred electroplating chemistry products in its Semiconductor and Functional Electronic Coatings division. She began her career at the SUNY Polytechnic Institute (formerly the College of Nanoscale Science and Engineering) as a Business Manager focused on strategic and technical programs for semiconductor chemistry and equipment manufacturers. She also held various project and program management roles in clean room operations and IT at SUNY.

Cassandra's written work has been published in leading technical magazines and presented at key conferences globally. As an advocate for diversity and inclusion, she is actively involved in SEMI's efforts to promote diversity within the semiconductor industry.

References

AI – Enabling a Revolution in Chip Design Productivity

T. Bjerregaard
Senior Director of AI
Synopsys, Paris, France



Body

AI, and in particularly generative AI technologies, are set to transform entire industries. AI-based chip design flows are yielding better results and improving designer productivity by adding automation capabilities to assist human experts in the design process. In this talk I will look at the history of AI that has led us to this point and outline key uses of AI in EDA. I will look across the EDA stack at where AI-based approaches have

made the highest impact and also look at how generative AI technologies can help capture human knowhow and as such help to mitigate the talent gap that the chip design industry is facing.

Biography

Tobias Bjerregaard

MBA in General Management, Copenhagen Business School (2017)

PhD in Asynchronous Circuit Design and Networks-on-Chip, Technical University of Denmark (2005)

MSEE in Solid State Physics, Technical University of Denmark (2000)

CEO and founder of startup Teklatech, acquired by Synopsys in 2018. Currently Sr Director of AI at Synopsys, leading a group of AI R&D teams across the US and Europe that explores, develops and markets new EDA methods and tools based on advanced, state-of-the-art AI technologies

References

Topic Coming Soon

S. Massar
R&D Engineer
Imec, Leuven, Belgium



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References