

| Session Chair

S05



**AHMED
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System

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ABOUT

Ahmed Abdelhakim is Global Product Manager at ABB Marine & Ports, where he leads the development and deployment of onboard DC grid technologies for zero-emission vessels.

His work focuses on integrating fuel cell systems and advanced power electronics into practical maritime applications, supporting the transition toward electrified and low-carbon shipping.

Prior to his current role, Ahmed worked at ABB's Corporate Research Center in Västerås, Sweden, where he advanced from Scientist to Principal Scientist and led R&D in power electronics for energy storage and hydrogen systems.

He holds an M.Sc. in Power Electronics from Alexandria University and a Ph.D. in Power Electronics from the University of Padua. His expertise includes maritime electrification, fuel cells, and energy-efficient power conversion.

