Keynote Speaker

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Digital Technologies for Sustainability: From Data to Actionable Information



Abstract:

This talk explores how digital technologies — particularly IoT, edge computing, and data-driven approaches — can accelerate the achievement of sustainability goals by transforming data into actionable information. Starting with the EU vision for a clean planet by 2050 and an overview of sustainable development, the session highlights the role of IoT and edge technologies as key technological enablers to achieve the Sustainable Development Goals (SDGs). Practical real-world examples of IoT-driven applications are presented, including indoor radon monitoring, smart campus initiatives, and plastic consumption reduction, among others. The talk concludes with reflections on leveraging digital technologies to create a smarter and more sustainable future.