

IEEE Roadmaps outlining Technology Innovations for Humanitarian Solutions

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The development of IEEE Technology Roadmaps bring together a bevy of international experts to chart out a mapping of continued evolution and predictions of the underlying basic technologies. In this talk I will show examples of the evolution of silicon, wide bandgap semiconductor, heterogeneous integration technologies and Next generation Networking Technologies and will illustrate how they provide the groundwork for making these humanitarian solutions possible.

I will provide select examples of some exciting solutions using Wireless and Compute technologies, IoT, AI/ML and similar capabilities to create solutions in spaces such as Agriculture, Healthcare, Smart Lighting and Power Generation and Distribution, and many others. Technology innovations are the enablers as we develop humanitarian solutions.