IEEE Smart Cities

New Delhi India

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Live Stream Seattle Washington

Join us for a session on Smart Cities from native land New Delhi. Find out new and innovative plans that New Delhi has implemented including EV charging infrastructure and IoT connectivity.

Building Resilient EV Charging infrastructure using Solid State Circuit Breaker technology: With countries and cities marching towards their sustainability goals with a zero-carbon future, EV transportation has gained a lot of attention. However, there is not enough charging infrastructure and we need to rethink the way EVs are charged through a more scalable and resilient architecture. Solid State Circuit Breakers (SSCB) are no longer a thing of the past, and this groundbreaking technology can help build the ideal charging infrastructure for smart cities. In this seminar, we will cover the different aspects of EV charging and understand how SSCB can help build a resilient and scalable charging infrastructure.

Binesh Kumar is a technology and engineering leader, who works as a Technical Project Lead at Atom Power Inc, in Charlotte, North Carolina, USA. His background is in Electrical Engineering with areas of expertise in Power Electronics, Embedded Systems, and product development in the Power and Energy Domain. He has been instrumental in the invention and commercialization of the world's first Solid State Circuit Breaker. He is an active IEEE senior member and serves in several leadership roles within IEEE.

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Smart connectivity using IoT Devices.

Smart Campus connectivity using IOT and Cloud Computing. Smart campus connectivity using the Internet of Things (IoT) in India involves the integration of various IoT devices and technologies to improve communication, automation, and monitoring within a campus setting. This can include the use of sensors, smart devices, and networking technologies to improve energy efficiency, security, and the overall student experience. Some examples of how IoT can be used in a campus setting include smart lighting systems, temperature control systems, learning management, data handling and smart security systems. Additionally, IoT can also be used to improve the effectiveness of campus services such as transportation, parking, and library services. Cloud computing can help in connecting smart campus connectivity:

Swapnili Gupta

1. Data storage and processing:
2. AI Generative tasks
3. Analytics remote access and control
4. security and privacy
5. Cost Effective

Bio

Swapnil Gupta works at Cognizant. He Loves solving problems with help of software and innovating the industry. He has worked on Microsoft Business Applications, and Java applications and actively contributed to open source. He has done multiple IT certifications and published research papers in the field of IoT (smart campus connectivity) and power systems as well.

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