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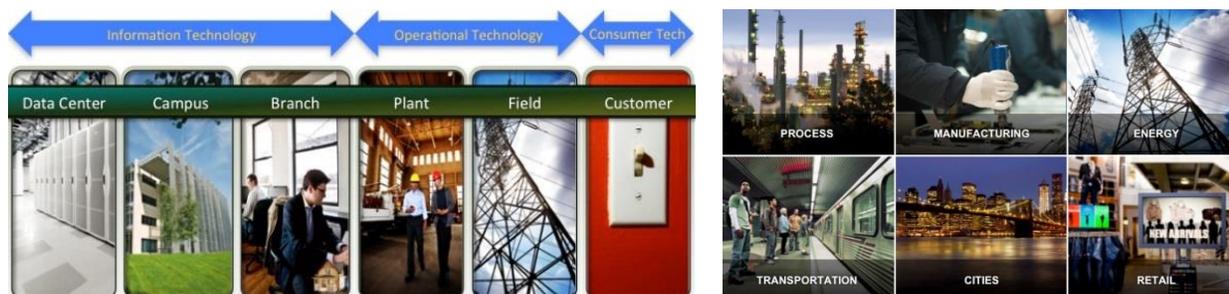
## Enabling a New World of Networked Applications with the *Internet of Things*

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### Abstract

Rapid advances in networking, communication, computing, and information processing are transforming how we interact with the world around us. This presentation will feature exciting recent advances in the Internet of Things (IoT), indoor-location-based services (indoor-LBS), and the software defined infrastructure (SDI) that enables them. While IoT and indoor-LBS will be directly visible to the end-user, SDI is largely invisible and a key enabler to these networked applications. This speaker will highlight the technical challenges, recent advances toward their solution, the importance of interdisciplinary research in this space, and promising future directions of research.



### Biography

John Apostolopoulos is VP & CTO of the Enterprise Networking Group (ENG) at Cisco, which is Cisco's largest business covering wired and wireless networking, mobility/BYOD, software defined networking, Internet of Things, and video over enterprise networks. He is also founder of the Enterprise Networking Labs whose goal is to increase innovation in areas of strategic importance to ENG. Previously Dr. Apostolopoulos was Lab Director for the Mobile & Immersive Experience Lab (MIX Lab) at HP Labs. The MIX Lab's goal was to create compelling networked media experiences that fundamentally change how people communicate, collaborate, socialize and entertain. The MIX Lab conducted research on novel mobile devices and sensing, mobile client/cloud multimedia computing, immersive environments, video &

audio signal processing, computer vision & graphics, multimedia networking, glasses-free 3D, next-generation plastic displays, wireless, and user experience design.

Dr. Apostolopoulos received a number of honors and awards for his individual technical contributions including IEEE SPS Distinguished Lecturer, IEEE Fellow, named "one of the world's top 100 young (under 35) innovators in science and technology" (TR100) by MIT Technology Review, Certificate of Honor for contributing to the US Digital TV standard (Engineering Emmy Award, 1997), and he also helped create the JPEG-2000 Security (JPSEC) standard.

John Apostolopoulos has published over 100 papers, received several paper awards, and has 60 granted US patents. He also has strong ties with the academic community and was a Consulting Associate Professor of EE at Stanford (2000-09) and is a frequent visiting lecturer at MIT. He received his B.S., M.S., and Ph.D. from MIT.