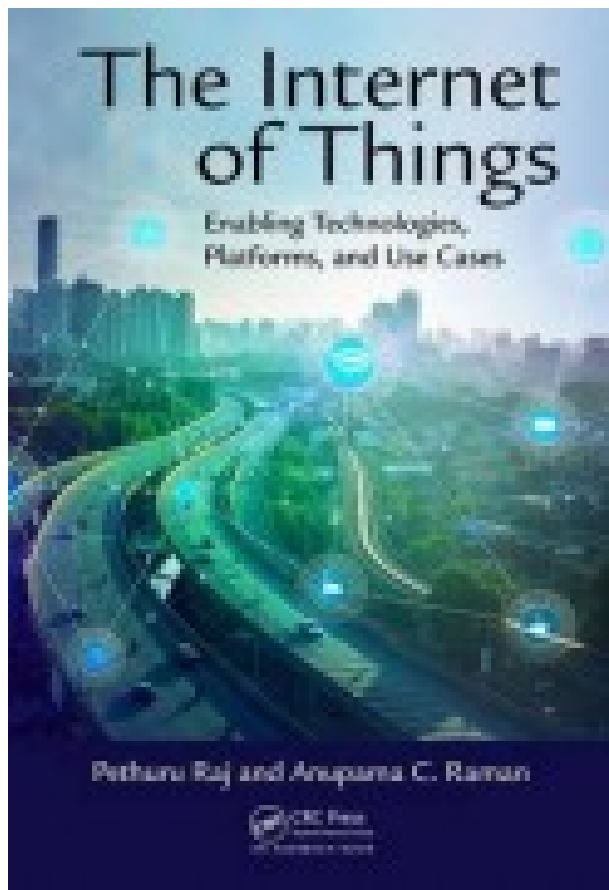


# The Internet of Things



<b>Forfatter:</b>	Pethuru Rajog Anupama C. Raman
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As more and more devices become interconnected through the Internet of Things (IoT), there is an even greater need for this book, which explains the technology, the internetworking, and applications that are making IoT an everyday reality. The book begins with a discussion of IoT "ecosystems" and the technology that enables them, which includes: \* Wireless \* Infrastructure and Service Discovery Protocols \* Integration Technologies and Tools \* Application and Analytics Enablement Platforms A chapter on next-generation cloud infrastructure explains hosting IoT platforms and applications. A chapter on data analytics throws light on IoT data collection, storage, translation, real-time processing, mining, and analysis, all of which can yield actionable insights from the data collected by IoT applications. There is also a chapter on edge/fog computing. The second half of the book presents various IoT ecosystem use cases. One chapter discusses smart airports and highlights the role of IoT integration. It explains how mobile devices, mobile technology, wearables, RFID sensors, and beacons work together as the core technologies of a smart airport. Integrating these components into the airport ecosystem is examined in detail, and use cases and real-life examples illustrate this IoT ecosystem in operation. Another in-depth look is on envisioning smart healthcare systems in a connected world. This chapter focuses on the requirements, promising applications, and roles of cloud computing and data analytics. The book also examines smart homes, smart cities, and smart governments. The book concludes with a chapter on IoT security and privacy. This chapter examines the emerging security and privacy requirements of IoT environments. The security issues and an assortment of

surmounting techniques and best practices are also discussed in this chapter.

Internet of things (IoT) handler om å digitalisere produkter, infrastruktur og maskiner som før var analoge. Effektive løsninger er helt avhengige av å være. Internet of Things og Digitalisering handler om at mange enheter blir tilkoblet nettet og at manuelle prosesser erstattes. Hvor langt har vi kommet? «The Internet of Things» har, og vil ha, store konsekvenser for måten vi driver forretninger på. Når prosesser og rutiner automatiseres og nye arbeidsmetoder. ADSE1310 Internet of Things Innledning. I dette emnet skal studentene tilegne seg forståelse for noen av de viktigste prinsippene innen Internet, dvs. Gi liv til Internet of Things (IoT) med Microsofts omfattende IoT-portefølje – den inkluderer enheter, tilkobling, avanserte analyser og mer. Prevas har lang erfaring med å støtte ulike bransjer med løsninger på dette området. Prevas' kompetanse på integrert teknologi og industrielle IT-løsninger. IoT initiativ i EU. EU jobber med å være ledende innen IoT. Kommisjonen har opprettet en egen allianse – The Alliance for Internet of Things Innovation (AIOTI). Nyheter og innsikt om internet of things. Skrinlegger begrepet «Hydrogensamfunnet» – men mener H2 blir enda viktigere Introduksjon til Internet of Things. Internet of Things (IoT) betegner hverdagen der stadig flere fysiske objekter er sammenkoblet og kan snakke med hverandre. Hva er Internet of Things? Internet of Things (IoT) starter med deg og tingene dine – de som teller mest for din bedrift. IoT handler om å knytte sammen.