

WELCOMES YOU TO ATTEND THE PRESENTATION ON:

***Low Power Wide Area Network for Battery Powered Things
in the World of "Internet of Things"***

Date: **Wednesday, April 20, 2016**

Time:

6:30 PM – Pizza + Social Networking
7:00 PM – Presentation

Location:

Jacaranda Hall Room 4440
College of Engineering & Computer Science
California State University, Northridge
18111 Nordhoff Street
Northridge, CA 91330

No Fee: Free pizza and light refreshments
from 6:30 PM

RSVP at jillings.eventbrite.com

by April 14, 2016 for food/drink count

Information: Mr. Ron Olch, Chapter Chair at
ronald.h.olch@ieee.org

Speaker: Mr. Steven Jillings



**Senior RF Applications Engineer in
North America
Semtech, Camarillo**

Abstract

By the year 2020, there will be more than 20 billion connected things in the world to facilitate home automation, smart metering, smart cities transportation, asset tracking, and additional ways to make our life more efficient and safer. Bluetooth and Wi-Fi work well for short distances between the connected devices. On an urban scale Low Power Wide Area Network enables long range communications between battery powered devices without depleting rapidly their energy supply. Our speaker, Steven Jillings is playing an active role in the world of Low-Power Wide-Area Network (LPWAN) based technology that is expected to be embedded in 40 percent of the total IoT Market by 2020. Mr. Jillings will share an overview of LPWAN and its new emerging markets enabled by the LPWAN.

Speaker Biography

Graduating from the University of Kent at Canterbury (England) with an honors degree in RF and Communications Engineering and with 30 years of RF design experience, Steven Jillings has been involved with the design and development of wireless and low-power radio solutions from the days of analogue LMR through both POCSAG, ERMES and FLEX paging architecture to Europe's first GPRS mobile datacard. For the past 13 years he has been employed by Semtech in their RF Applications Group in both Switzerland and since 2006 in Camarillo where he is involved in developing and supporting low-power wireless solutions for the Americas.

As a member of the IEEE 802.15 WG he was awarded Certificates of Appreciation from IEEE-SA for his contributions to the development of IEEE Standards 802.15.4g (Smart Metering Utility Networks), 802.15.4k (Low Energy Critical Infrastructure Monitoring Networks) and 802.15.4p (Rail Communications and Control)

In his spare time, Steven is an avid follower of (Association) Football and a keen music blogger.