



TEXAS A&M UNIVERSITY

Department of Electrical
& Computer Engineering

TRANSFORMING ENGINEERING EDUCATION

ENERGY & POWER GROUP SEMINAR

Analysis of Inverters Generated Supraharmonics on Electric

Abstract

An inverter is a converter which facilitates the use of a dc source to power a load with alternating voltage and current. Its operation generates high-frequency harmonics in the range 2 to 150 KHz. These harmonics are known as supraharmonics and, though they are low magnitude signals, their effect on equipment connected to the same network has been studied as the number of inverters continues to grow. This study is focused on analyzing their behavior on the network and their mathematical representation.



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Invited Researcher
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Friday, March 7th

11:30 am

241 ZACH

Biography

Ph. D., University of Bristol, United Kingdom, 2005.