



# EMC Distinguished Lecture

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an unseren Aktivitäten  
interessiert sind und den  
Kontakt zu unserem Chapter  
suchen.

EMC Distinguished Lectures sind  
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bringen Sie sich auf den  
aktuellsten Stand von Technik  
und Forschung!

**Ms. Karen Burnham**

Principal Scientist, Electro Magnetic Applications, US

**“Noise Sources in Electric Vehicles”**

**Date:** 06<sup>th</sup> Jun. 2023  
**Time:** 16:00 -17:00 (UTC+2, GE)  
**Location:** [Wissenschaftliche Kommunikationszentrum](#)  
(**Wikom**, Room 0053/54, inside building I)  
Denickestraße 22, 21073 Hamburg, Germany

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**Hints:** an email reminder will be sent out in case of any changes. Please  
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IEEE GEMC Event



EMC Distinguished Lecture by Ms. Karen Burnham

## Noise Sources in Electric Vehicles

**Abstract:** With electric vehicles becoming more common, the electromagnetic noise they generate is an issue that more designers must face. Ms. Burnham brings lessons learned from several years of troubleshooting electric vehicles, both hybrid and plug in, to discuss some of the most important EV noise factors.

**Biography:** Ms. Karen Burnham is a Principal Scientist at Electro Magnetic Applications in Denver, CO. She is an iNARTE certified EMC engineer with experience in both the aerospace/defense and automotive industries. At NASA JSC, she worked on the Orion spacecraft and pyrotechnic systems. She was able to work on the Dream Chaser spacecraft and the F-35 fighter jet. She spent several years working at Ford Motor Company on traditional vehicles like the Ford Edge and Lincoln Continental as well as on their line of electric hybrid vehicles such as the Ford Explorer and Lincoln Aviator. Ms. Burnham is a member of the IEEE EMC Society Board of Directors where she serves as Assistant Vice President of Standards. She holds a BS degree in Physics from Northern Arizona University and an MS degree in Electrical Engineering from University of Houston.