

development and testing, hardware testing, and model designing for providing efficient technology and operational services to consumers.

In 2017, she left the company and the country to pursue her studies at the Division of Future Vehicle which is part of the School of Electrical Engineering at Korea Advanced Institute of Science and Technology (KAIST) in Daejeon, South Korea. She finalized her studies by writing a master thesis at KAIST's Terabyte Interconnection and Package Laboratory under the supervision of Prof. Joungho Kim. During her Master's thesis she proposed a band pass filter modified series-series (BF-SS) topology to reduce the electromagnetic interference (EMI) for digital television (DTV) wireless power transfer (WPT) systems. In 2019, she received the Master of Science from the School of Electrical Engineering, KAIST.

Currently Mumpy Das is working as an early-stage Ph.D. researcher in the project PETER under the supervision of Prof. Frank Leferink at the University of Twente. For her research, she is looking into the steps required to apply a risk-based EMC approach in the hospital environment. In order to understand the factors related to the hospital environment which can create electromagnetic interference and before adopting the risk-based EMC approach, we must first comprehend human behavior, source mobility, victim location, and possible number of EMI sources, among other things. Recently she wrote a blog related to this matter on the program PETER web page (<https://etn-peter.eu/2021/08/25/electromagnetic-compatibility-in-the-hospital-environment/>).

Mumpy Das is a student member of the IEEE Electromagnetic Compatibility Society and very active in social media such as LinkedIn, Facebook, etc.



Oskari Leppäaho received the B.Sc. and the M.Sc. degrees in Electrophysics from Tampere University of Technology (currently Tampere University), Tampere (Finland), in 2014 and 2015, respectively. In 2013, he spent an exchange semester at the Chair for Electromagnetic Fields of the Friedrich-Alexander Universität Erlangen-Nürnberg (FAU) in Erlangen, Germany. Due to Prof. Albach and his colleagues, Oskari received the majority of his EMC-related education during this period.

Since 2013, Oskari Leppäaho has been with Vacon Oy, Finland as a Main Circuit Development Engineer. In 2014, Vacon Oy became part of Danfoss. Currently, Oskari is on an extended study leave from that position to embark on a Ph.D. degree. He is a member of the ETN PETER ESRs located at Valeo in France with the academic portion at INSA Rennes, France.

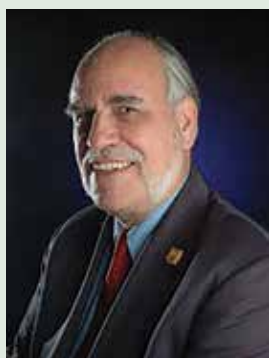
He stumbled upon EMC early in his Master's studies, when Oskari was searching for an interesting subject that would combine physics and electronics that were his main interests during Bachelor studies. Oskari actually landed his first real summer job partly due to his lengthy (and mostly correct) answer to the interviewer's question: "What is EMC?" That was the only question Oskari had to answer during a phone interview to get invited for an in-person one. During his early career, he contributed to EMC design of Vacon 100 AC Drives and later was also in charge of the EMC design for some of the models. Later, Oskari received more responsibility outside EMC at Danfoss Drives, moved to the USA for a few years, and participated in various design tasks on a yet-to-be-released product line ranging from test system development to thyristor control with EMC as a small spice in between. After spending some time in the US, Oskari felt that it was time to come back to Europe and that is where he found an exciting opportunity to be part of the EU-funded project PETER.

In the PETER project, Oskari Leppäaho is an ESR with an objective to evaluate electromagnetic hazards due to environmental stress at the system level. In practice, this means that he is concentrating on performance of different ground connections, especially shielded cables and connectors together with chassis ground contacts under different environmental stresses such as temperature gradients, vibration, and corrosion.

Oskari has been a student member of the IEEE EMC Society since 2020. As one result of his professional work, Oskari holds a stake in one US patent application on how to select inverter modulation in such a way that the common-mode component in the output is minimized and the size of a possible output filter can be optimised.

He spends his free time with his family that includes a 2-year-old son who keeps both Oskari and his wife busy. They like to explore their new home country, and due to the pandemic practical exploration has happened mainly in the Paris region using bicycles. If Oskari somehow happens to find a slot of free time, he likes to go jogging or do small scale investments.

EMC



William A. Radasky

Elected as a Member of the National Academy of Engineering

In February 2021, Dr. William A. Radasky was elected to the National Academy of Engineering (NAE) in recognition of his distinguished contributions to engineering, "For leadership in the development and application of electromagnetic transient disturbance and protection standards for national security and commercial systems." Dr. Radasky is President and Managing Engineer of Metatech Corporation, an IEEE Life Fellow and a Lord Kelvin Award Winner. He received the Richard R. Stoddart Award in 2018 from the IEEE EMC Society "For fundamental contributions to the understanding of high power electromagnetic (HP EM) and intentional electromagnetic interference (IEMI)." Congratulations to Dr. Radasky from the IEEE EMC Society!