

Invitation to a Technical Teleconference

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Aircraft EM environmental effects analysis

Successful certification requires aerospace manufacturers to demonstrate that aerospace systems function harmoniously in their electromagnetic environment, without intolerable electromagnetic interference. Analysis stands alongside testing and similarity as a verification method to demonstrate compliance with aerospace systems in electromagnetic environments.

In this teleconference, the electromagnetic effects analysis of aircraft in lightning, HIRF and EMP environments will be presented. Aircraft field responses from external to internal field responses to cable pin voltages, the shielding effectiveness of multilayer composite materials, the EMC assessment of avionics and the effect of cable shields will be discussed.

10.12.2020, 17:00 Uhr

Zoom: <https://ovgu.zoom.us/j/92003900283>

Meeting-ID: 920 0390 0283 - Passwort: 008922

About the speaker:

Marco KUNZE is a SIMULIA IPS, Aerospace & Defence, Industry Process Senior Specialist. His mission is to leverage industry know-how to develop industry process experiences and enable their deployment globally. In particular he has responsibilities for industry process experiences related to electromagnetic simulation. He joined Dassault Systèmes in 2019 by acquisition of CST – Computer Simulation Technology for which he was engaged since 2008. Prior to that he worked several years in research institutes and telecommunication industry in Germany, China and France. He is an electrical engineer holding a Ph.D. from TU Berlin and a master's degree from TU Braunschweig in Germany. He has over 25 years of experience in applied electromagnetics and is an IEEE senior member.

Organisation:

Dr.-Ing. Miroslav Kotzev, Rosenberger Hochfrequenztechnik GmbH
IEEE German EMC Chapter - Coordinator Technical Teleconferences