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He authored The Finite Element Method in Electromagnetics (Wiley) and Electromagnetic Analysis and Design in Magnetic Resonance Imaging; coauthored Computation of Special Functions (Wiley) and Finite Element Analysis of Antennas and Arrays (Wiley); and coedited Fast and Efficient Algorithms in Computational Electromagnetics. A Fellow of IEEE, he is listed by ISI as among the world's most cited authors.

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For an accurate description of electromagneto/thermomechanical systems, electromagnetic fields need to be described in a Eulerian frame, whereby the thermomechanics is solved in a Lagrangean frame.

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The applicant should have a good understanding of electromagnetic field theory. Experience of some of the following areas is highly valued: waveguide theory, metamaterials, electromagnetic computation and simulation tools. The applicant needs to have a well developed analytical and problem solving ability.

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Doctoral student in electromagnetic field theory and computation. Kungliga Tekniska högskolan, School of Electrical Engineering and Computer Science. Project description. Third-cycle subject: Electrical Engineering. The work will be conducted at the Division of Electromagnetic Engineering .