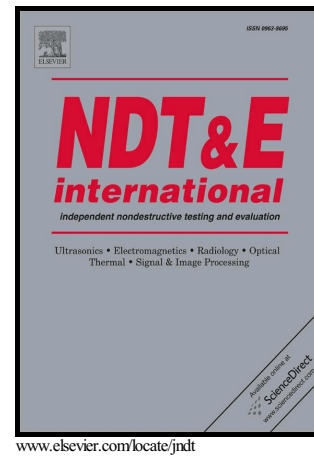


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# Evaluation of the Lift-off Robustness of Eddy Current Imaging Techniques

Marco Ricci<sup>a\*</sup>, Giuseppe Silipigni<sup>a</sup>, Luigi Ferrigno<sup>b</sup>, Marco Laracca<sup>b</sup>, Ibukun D. Adewale<sup>a,c</sup>, Gui Yun Tian<sup>c</sup>

<sup>a</sup>Dipartimento di Ingegneria, Polo Scientifico Didattico di Terni, Università di Perugia, Strada di Pentima 4, 05100 Terni, Italy

<sup>b</sup>Dipartimento di Ingegneria Elettrica e dell'Informazione, Università degli Studi di Cassino e del Lazio Meridionale, Via G. Di Biasio 43, 03043, Cassino (FR) Italia

<sup>c</sup>School of Electrical and Electronic Engineering, Newcastle University, Newcastle upon Tyne NE1 7 RU, UK

marco.ricci@unipg.it

giuseppe\_silipigni@hotmail.com

ferrigno@unicas.it

m.laracca@unicas.it

ibukun.adewale@newcastle.ac.uk

g.y.tian@newcastle.ac.uk

## Abstract

The development of lift-off invariant strategies is one of the main goals in Eddy Current Non-Destructive Testing research. In the present work, from the analysis of amplitude and phase signals of magnetic field sensors under Multi-Frequency Eddy Current excitation, two imaging procedures are analyzed and compared with respect to their ability to retrieve reliable results even in presence of huge changes of lift-off. A figure of merit based on the Signal to Noise Ratio evaluated on the 2D reconstructed images allows the comparison of the different strategies in terms of the quality of the

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