

Title: Directional Moving Target Indication for Civil Traffic Monitoring Using Single Channel SAR

Author(s): Marques, Paulo A. C. ^[1]

Source: 2009 IEEE Radar Conference **Book Series:** IEEE Radar Conference

Volume: 1-2 **Pages:** 613-616 **Published:** 2009

Conference: 2009 IEEE Radar Conference **Location:** Pasadena, CA **Date:** May 04-08, 2009

Sponsor(s): IEEE; IEEE Coastal, Los Angeles Sect; JPL; GRSS; MTT S; aess

Document Type: Proceedings Paper

Language: English

Abstract: This paper presents a novel moving target indicator which is selective with respect to a direction of interest. Preliminary results indicate that the obtained selectivity may have high interest in civil traffic monitoring using single channel SAR data.

Keywords Plus: Directional Moving Target; Civil Traffic; Single Channel SAR

Reprint Address: Marques, PAC (reprint author) – Inst Super Engh Lisboa, Inst Telecomunicacoes, DEETC, Lisbon, Portugal.

Addresses:

[1] Inst Super Engh Lisboa, Inst Telecomunicacoes, DEETC, Lisbon, Portugal

E-mail Addresses: pmarques@isel.pt

Publisher: IEEE

Publisher Address: 345 E 47TH ST, New York, NY 10017 USA

ISSN: 1097-5764

ISBN: 978-1-4244-2870-0

Citation: MARQUES, Paulo A. C. - Directional Moving Target Indication for Civil Traffic Monitoring Using Single Channel SAR. 2009 IEEE Radar Conference. ISSN 1097-5764. ISBN 978-1-4244-2870-0. Vol. 1-2 (2009), p. 613-616.