
Avanços em SAR: Sensores, Metodologias e Aplicações *Advances in SAR: Sensors, Methodologies and Applications*

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Sala: Vênus – 15 de abril – Segunda-feira – 8h30 às 10h40

ABSTRACT: The key importance of radar remote sensing for earth observation applications has been recognized for decades, and enormous scientific and technical developments have been carried out to further improve the SAR sensors and SAR data processing. SAR data can be obtained by systems ranged now not only from traditional airborne and satellite levels, but also from terrestrial stations and even carried on unmanned aerial vehicles (UAV). More recently, SAR satellite constellations consisting of two or more satellites are also becoming usual. The present availability of these SAR sensors (and several other planned SAR missions) may supply a continuous stream of data for a variety of earth observation applications. However, the powerful and unique information is only available when proper data processing methodology is applied. This thematic session brings new contributions in this field.

Títulos	Palestrantes	Período
State of the Art and Cartographic Applications using Airborne SAR	Dr. João Roberto Moreira Neto (Embraer)	8:30
Modeling and Interpretation of SAR Scattering Mechanisms	Dr. Yang Du (Zhejiang University, Hangzhou, China)	8:55
Performing Polarimetric Response Analysis using Multifrequency SAR	Dr. Rafael Lemos Paes (GRSS' Brazil Chapter & IEAV/CTA)	9:20
Recent Advances in SAR statistical data analysis	Dr. Alejandro César Frery (UFAL)	9:45
Discussion / Q&A – Closing		10:10