SMART Training Programme
(STP-01/2016)
Introduction to Satellite Scatterometry with a special emphasis on ScatSat-1

The training programme consists of forenoon lectures by eminent scientists working in ISRO's scatterometer project followed by hand-on (laboratory session) with Oceansat-2 Scatterometer (OSCAT) / ScatSat-1 data in the afternoon.

Tentative Programme

DAY-1

Forenoon Lectures
1. Introduction to microwave remote sensing
2. Scatterometry - Basic principles
3. Scatterometer - Instrument
4. ScatSat-1 Programme

Afternoon
Hands-on with OSCAT/ScatSat-1 scatterometer data. This will cover scatterometer data products, data access, data availability, data handling, and data visualisation.

DAY-2

Forenoon Lectures
1. Challenges and techniques in scatterometer data processing
2. Retrieval techniques for near-surface wind retrieval
3. Calibration and validation aspects of scatterometer data

Afternoon
Hands-on with OSCAT/ScatSat-1 scatterometer data. Data processing, retrieval techniques and value added products.

DAY-3

Forenoon
Lecture - Potential scientific applications of scatterometer data
Hands-on (continuation of Day-2)
<div align="center">Visit to Lab/VSSE</div>

Afternoon
Distribution of certificates