

# International Training Course

CORECT – IJSS 2019

11 – 13 November 2019



Dr. STEFANO VIGNUDELLI  
Italian National Research Council

**“Satellite Altimetry”  
Expert**



Dr. MASAFUMI KAMACHI  
Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

**“Data Assimilation”  
Expert**



PROF. JOSAPHAT TETUKO SRI SUMANTYO

Center for Environmental Remote Sensing, Chiba University, Japan

**“Synthetic Aperture Radar (SAR)”  
Expert**



PROF. NORIKAZU SHIMIZU  
Department of Civil and Environmental Engineering, Yamaguchi University

**“SAR Application”  
Expert**

## Training Schedule

Date/Time	11 November 2019	12 November 2019	13 November 2019
09:00 – 10:30	<b>Dr. Stefano Vignudelli</b> Fundamentals of Satellite Altimetry & Satellite Altimetry Over Ocean	<b>Dr. Masafumi Kamachi</b> • 4DVAR (basic) • 4DVAR • 4DVAR: Method_Theoretical	
10:40 – 12:00	<b>Dr. Stefano Vignudelli</b> Coastal altimetry a decade of progress and beyond	<b>Dr. Masafumi Kamachi</b> • 4DVAR: Examples_Numerical • Summary of Fundamentals of Data Assimilation • Application (JMA's Operational Ocean Forecasting System)	<b>Prof. Norikazu Shimizu</b> Flood mapping using SAR data
12:00 – 13:00	Lunch	Lunch	Lunch
13:00 – 14:30	<b>Dr. Masafumi Kamachi</b> • Prologue • Fundamental Methods of Data Assimilation • Basic Principle • Optimum Interpolation	<b>Prof. Josaphat Tetuko Sri Sumantyo</b> • Introduction of Synthetic Aperture Radar (SAR) • Planetary System • SAR Observation Modes • Basic SAR Image Processing	<b>Prof. Norikazu Shimizu</b> SAR processing using SNAP Software
14:40 – 16:00	<b>Dr. Masafumi Kamachi</b> • Kalman Filter • 3DVAR	<b>Prof. Josaphat Tetuko Sri Sumantyo</b> • SAR Pixel Generation • SAR Image Characteristics • SAR Applications	

### Training Information:

- **Training Course:** 11 - 13 November 2019
- **Registration fees:** IDR 750.000 (staff) and IDR 200.000 (students\*)  
\*student ID required
- **Facilities:**
  - Hardcopy material
  - Coffee break 2 times (3 days)
  - Lunch (3 days)
  - Certification
- **Venue:**  
Udayana University Post Graduate Building, 3<sup>rd</sup> floor  
PB Sudirman Street, Denpasar, Bali 80232, Indonesia

### Registration Link

<https://forms.gle/mzQFzb1WojuaaqCU6>

### Payment Methods

Bank Transfer

Bank Name: Bank Negara Indonesia (BNI)

Account Name: CHONNANIYAH

Account Number: 02 855 702 69

SWIFT Code: BNINIDJARNN (If transfer process from abroad)

Bank BNI

Jl. Raya Puputan No.27 Renon, Denpasar Bali