

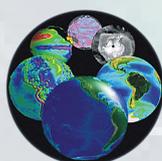
MASSIVE OPEN ONLINE COURSE (MOOC) ON OCEAN REMOTE SENSING TOWARDS CLIMATE RESILIENCE

MOOC Timeline



Tuition Fee USD75/RM320 *Register Now!*

Organisers:



Supported by:



About This Course

This course is essential for

- *Supporting development in the maritime region for climate preparedness technology*
- *Monitoring marine natural resources*
- *Assessing climate and human impacts on coastal areas, (e.g., monitoring sea level and sea level rise, coral reefs, and marine resources utilization planning for tourism).*
- *Linking interaction between coastal/ocean and atmospheric processes and its impact on society*

Participants are able to:

Elaborate the fundamental concept of remote sensing, GIS, and in situ measurement techniques

Communicate effectively (written and verbal)

Develop networks with students and senior scientists from around the world

Course Content

| NU. | MODULE | SPEAKER |
|-----|---|--|
| 1 | Fundamentals of Remote Sensing | Prof. Dr. Kasturi Devi Kanniah Universiti Teknologi Malaysia |
| | Fundamentals of SST and Thermal Front Analysis | Prof. Dr. Ming-An Lee National Taiwan Ocean University Prof. Yi Chang National Sun Yat-sen University |
| 2 | Fundamentals of Altimetry | Dr. Stefano Vignudelli The National Research Council Italy (CNR) Assoc. Prof. Dr. Nurul Hazrina Idris Universiti Teknologi Malaysia |
| | Fundamentals of Microwave Radiometric Sensing of the Earth from Space | Dr. Leonid Mitnik Russia Academy of Sciences |
| | Fundamentals of UAV for Coastal Monitoring | Dr. Norhadija Darwin Universiti Teknologi Malaysia |
| 3 | Satellite Wind Data and Applications | Dr. Aberrahim Bentamy IFREMER |
| 4 | Fundamentals of Ocean Color | Dr. Cara Wilson National Oceanic and Atmospheric Administration (NOAA) |
| 5 | Data Assimilation | Dr. Gad Levy NorthWest Research Associates - Seattle |
| 6 | Machine Learning | Dr. Andrew Giess Pacific Northwest National Laboratory - WA |
| 7 | Satellite Applications in Fisheries | Dr. Nimit Kumar Indian National Centre for Ocean Information Services (INCOIS) |
| 8 | Nearshore Altimetry | Assoc. Prof. Dr. Nurul Hazrina Idris Universiti Teknologi Malaysia Dr. Stefano Vignudelli The National Research Council Italy (CNR) |
| 9 | Accessing Satellite Data with ERDDAP | Dr. Cara Wilson National Oceanic and Atmospheric Administration (NOAA) |
| 10 | Accessing Satellite Data with ArcGIS | Dr. Norhakim Yusof/ Assoc. Prof. Dr. Nurul Hazrina Idris Universiti Teknologi Malaysia |
| 11 | Getting Published in an International Journal | Prof. Dr. Kevin Tansey, IJRS Editor-in-Chief University of Leicester |
| 12 | Student Mentorship Program | Mentor and students |

CONTACT US:
SECRETARIAT OF 15TH
PORSEC
FACULTY OF BUILT
ENVIRONMENT AND
SURVEYING, UNIVERSITI
TEKNOLOGI MALAYSIA, UTM
SKUDAI, 81310 JOHOR,
MALAYSIA

Email: porsec2020@gmail.com
Fax: (607) 556 6155

For More Info



MOOC
Registration Form



Tuition Fee Waiver
Application Form

