Virtual School of Oceanography from Space

23-27 November 2020

Presentation of the Lecturers

UN environment | MAP | SPA/RAC

In the frame of EU-funded Research and Innovation project ODYSSEA – Grant agreement No 727277

ODYSSEA

Prof. SYLAIOS GEORGIOS
DEMOCRITUS UNIVERSITY OF THRACE, GREECE

ΔΗΜΟΚΡΙΤΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΡΑΚΗΣ
DEMOCRITUS UNIVERSITY OF THRACE

Academic Background

BSc in Geology (Univ of Patras)

MSc in Oceanography

(Southampton Univ)

PhD in Oceanography

(Southampton Univ)

Professional Background and skills

Professor in Department of Environmental Engineering, DUTH

Coordinator of 34 Research projects (national and EU-funded)
80 Journal publications
8 Book Chapters - 1 e-Book

Coordinator of ODYSSEA Project

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ODYSSEA VIRTUAL SCHOOL - « OCEANOGRAPHY FROM SPACE »
23-27 November 2020

ODYSSEA

Dr Hayley Evers-King, EUMETSAT, UE

European Organisation for the Exploitation of Meteorological Satellites

Academic Background

10 years experience in the use of satellite data for research in marine science.

PhD in remote sensing of Harmful Algal Blooms, University of Cape Town

MSc in Oceanography, University of Southampton

BSc (Hons) Environmental Science, University of Plymouth

Professional Background and skills

Currently working at the interface between data users and providers at EUMETSAT including technical user support, training, service and application development.

Experience with ocean colour, SST and altimetry, as well as ocean models.

Python programmer

Passionate science communicator

Simon KEEBLE - BLUE LOBSTER IT LIMITED

Wales, United Kingdom

bluelobster
Software • Graphics • Communication

www.bluelobster.co.uk

Academic Background

COMMERCIAL

Professional Background and skills

Creative & Technical Director at software and communications consultancy Blue Lobster IT Limited

30+ years working in high performance data centric software development environments across a variety of sectors.

The last 15 years mainly focused in marine & aquatic sciences.

Prof. Florence Birol, CTOH/LEGOS, France

Laboratoire d'Etudes en Géophysique et Océanographie Spatiales

Academic Background

- Habilitation à Diriger les recherches (*Research Supervising Qualification*)
- PhD in Physical Oceanography
- Master's degree

Professional Background and skills

- 2005-2017: Ass. Professor, Université Paul Sabatier, Toulouse, France
- 2012+: Head of the French observation service CTOH
- 2017+: Professor, Université Paul Sabatier, Toulouse, France

Research interests:

Development of altimetric data processing and applications dedicated to coastal areas. Physical oceanography. Environmental satellite data analysis.

Dr. Fernando Niño, CTOH/LEGOS, France

Laboratoire d'Etudes en Géophysique et Océanographie Spatiales

Academic Background

Ph. D. in Geophysics (1997), Université Montpellier II, Montpellier (France)

Software Engineer (1990),

Computer Science Major at Universidad de los Andes, Bogota (Colombia)

Professional Background

2008->: Chief Technical Officer of the french altimetry service CTOH
2000-2008 : Project Leader in Scientific Application Development (IRD/Médias-France, Toulouse)

Skills & Research Interests:
Physics of the altimetry signal
Numerical modelling of geophysical processes
Parallel and concuirrent programming

Fabien Léger, CTOH/LEGOS

Laboratoire d'Etudes en Géophysique et Océanographie Spatiales

Academic Background

Engineer in Water Science

Polytech'Montpellier (France)

Professional Background

2016 : CNRS Engineer at LEGOS, development of the CTOH coastal altimetry data processing chains.
Past : CNRS Engineer at CNRM, LEGOS and Ifremer

Skills & Research Interests

Coastal altimetry
Physical oceanography
Remote sensing

Dr Cori PEGLIASCO, CLS, France

Collecte Localisation Satellite

Academic Background

PhD in Physical Oceanography (2015)

« Vertical structure of mesoscale eddies in the 4 major Eastern Boundary Upwelling Systems, LEGOS (Toulouse, France)

Professional Background and skills

Detecting and tracking mesoscale eddies
Colocation with in situ data to analyse the eddies' 3D structure

2016 – 2020 : Post-doc on the vertical structure of mesoscale eddies in the Mediterranean Sea – ANR DYNED-Atlas and SHOM fundings, LEGOS (Toulouse, France)

Dr. Katerina Spanoudaki, FORTH, Greece

Foundation for Research and Technology-Hellas

FORTH
FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS

Academic Background

- Diploma in Engineering (National Technical University of Athens)

- MSc in Environmental Engineering and Hydrology, (Imperial College)

- PhD in Water Resources Engineering (National Technical University of Athens & Cardiff University)

Professional Background and skills

- 2013- Collaborating Researcher, FORTH, Lecturer, Hellenic Mediterranean University

- Numerical modelling of coastal hydrodynamics and marine pollution, water resources engineering

Juan PEÑA, Chief Executive Officer, ORBITAL EOS

https://www.orbitaleos.com/

ORBITAL EOS
Earth Observation Solutions
Transforming space data into actionable insights

Academic Background

MSc Remote Sensing & Data Analytics

BSc Oceanography

Professional Background and skills

12 years as Tactical Coordination Officer (TACCO) onboard a Maritime Surveillance Aircraft for the Spanish Maritime Safety Agency (SASEMAR)

Spanish Institute of Oceanography (IEO), Researcher

ZACHOPOULOS KONSTANTINOS, Research Associate

PhD Candidate in DUTH, Greece

Academic Background

PhD Candidate in Democritus University of Thrace, Greece

MSc in Marine Renewable Energy, Heriot Watt University, U.K.

BSc in Marine Sciences, University of the Aegean, Greece

Professional Background and skills

Solid experience in Remote Sensing techniques and GIS applications gained through participation in several EU funded projects (e.g ODYSSEA project, HERMES, TRITON)
Experience in hydrodynamic modeling in Rivers and Coastal Environment

Dr Nikolas Kokkos , Research Associate, DUTH, Greece

Academic Background

- PhD in Oceanography

Democritus University of Thrace, Greece

- BSc in Environmental Engineering,
Democritus University of Thrace, Greece

Professional Background and skills

Experience in hydrodynamic modeling in Coastal and River Environment

Solid experience in Remote Sensing techniques and GIS applications gained through participation in several EU funded projects (e.g Figaro, Mare Nostrum, ODYSSEA, Hermes, Triton)

MÉSZÁROS, Lőrinc (Deltares), The Netherlands

Deltares

Academic Background

- PhD in Applied Statistics (ongoing)
- MSc in Hydroinformatics and Water management
- BSc in Civil Engineering

Professional Background and skills

- Data science applications for earth observation and numerical modelling
- Integrated monitoring and modelling of marine and coastal water quality
- Setting up downstream coastal prediction systems using Copernicus Services