

## CURRICULUM VITAE

### PERSONAL INFORMATION

Name, Surname	<b>Vittorio Ernesto Brando</b>
Address	<b>Via Solari 43/1 20144 Milano</b>
Telephone	<b>+39 329 1667011</b>
E-mail	<b>Vittorio.brand@gmail.com</b>
Nationality	<b>Italiana</b>
Date of birth	<b>24/1/1971</b>

### WORK EXPERIENCE

<u>Dates (from – to)</u>	January 2016 – to date
Name and address of employer	CNR-ISAC Via Fosso del Cavaliere, 100 Roma, Italy
Type of business or sector	R&D
Occupation or position held	Principal Research Scientist (Primo Ricercatore)
Main activities and responsibilities	Deputy Leader for the Ocean Colour Thematic Assembly Center in Copernicus Marine Environment Monitoring Service Research activities focused on remote sensing of optically complex waters, with the development and implementation of physics based inversion algorithm for the retrieval of water quality parameters in optically deep and shallow systems.
<u>Dates (from – to)</u>	January 2014 – December 2015
Name and address of employer	CNR-IREA Via Bassini, 15 Milano, Italy
Type of business or sector	R&D
Occupation or position held	Senior Marie Curie Fellow
Main activities and responsibilities	Research activities focused on remote sensing of optically complex waters, with the development and implementation of physics based inversion algorithm for the retrieval of water quality parameters in optically deep and shallow systems. Optical oceanography in inland, estuarine and coastal systems, hyperspectral signal and imagery analysis, radiative transfer models.
<u>Dates (from – to)</u>	2013- December 2015 (on leave since January 2014)
Name and address of employer	Environmental Earth Observation Program CSIRO Land & Water Clunies Ross St Acton ACT Australia
Occupation or position held	Principal Research Scientist
Main activities and responsibilities	<i>Research Team Leader - Remote Sensing of Aquatic Ecosystems in the Environmental Earth Observation Program at CSIRO Land &amp; Water in Canberra (12 staff members).</i> <i>Principal Investigator for several large collaborative projects (~6.4MA\$, ~4.6MEUR) focussed on the development of applications of Earth Observation for the environmental management of the Great Barrier Reef coastal waters and on the addition of optical oceanography data streams to the ocean-observing infrastructure in Australian coastal and marine environments.</i>
<u>Dates (from – to)</u>	2007-2013
Name and address of employer	Environmental Earth Observation Program CSIRO Land & Water Clunies Ross St Acton ACT Australia
Occupation or position held	Senior Research Scientist, <i>Phd Advisor for three PhD students</i>
Main activities and responsibilities	<i>Principal Investigator for several large collaborative projects (~4 MA\$) focussed on the development of applications of Earth Observation for the</i>

*environmental management of the Great Barrier Reef coastal waters and on the addition of optical oceanography data streams to the ocean-observing infrastructure in Australian coastal and marine environments.*  
*Research activities focused on remote sensing of coastal waters, with the development and implementation of physics based inversion algorithm for the retrieval of water quality parameters in optically deep and shallow systems.*

<u>Dates (from – to)</u>	2000-2007
Name and address of employer	Environmental Remote Sensing Group CSIRO Land & Water Clunies Ross St Acton ACT Australia
Occupation or position held	Research Scientist, PostDoctoral Scientist
Main activities and responsibilities	<i>Research activities focused on remote sensing of coastal waters, with the development and implementation of physics based inversion algorithm for the retrieval of water quality parameters in optically deep and shallow systems.</i>
<u>Dates (from – to)</u>	2000
Name and address of employer	Dipartimento di Scienze Ambientali dell'Università di Venezia
Occupation or position held	Collaboratore (Research Associate)
Main activities and responsibilities	<i>'Valutazione di parametri di qualità dell'acqua del delta del Po attraverso l'analisi di dati iperspettrali (MIVIS)'.</i>

## EDUCATION AND TRAINING

<u>Dates (from – to)</u>	1998-2000
Name and type of organisation providing education and training	Dottorato di Ricerca in Modellistica dei Sistemi Ambientali, Facoltà di Ingegneria, Università di Padova
Principal subjects occupational skills covered	Environmental sciences, ecological modeling, remote sensing of coastal aquatic environments, aquatic ecology
Title of qualification awarded	Dottore di Ricerca (PhD)
<u>Dates (from – to)</u>	1989-1995
Name and type of organisation providing education and training	Corso di Laurea in Scienze Ambientali, Facoltà di Scienze, Università di Venezia
Principal subjects occupational skills covered	Environmental sciences, ecological modeling, aquatic ecology
Title of qualification awarded	Laurea in Scienze Ambientali (110 e Lode)

## RESEARCH ACTIVITIES

Research interests	Vittorio Brando has a background in aquatic ecology and ecological modelling of shallow water environments. He worked on ecological modelling of macro algae colonies dynamics and of trophic interactions in shallow water basin. Vittorio's current research is focused on remote sensing of coastal waters with the aim of enabling a better understanding of environmental processes of coastal systems through the translation of the remote sensing data into relevant information for decision makers or other scientific and non scientific end-users. His main interests include: optical oceanography in coastal systems, hyperspectral signal and imagery analysis, radiative transfer models, retrieval of water quality parameters from ocean color data, shallow waters mapping, and assimilation of remote sensing data into biogeochemical models.
Research activities, achievements and impacts	<a href="http://tinyurl.com/VB-CV-res">http://tinyurl.com/VB-CV-res</a>
Project Leadership Experience, Committees and working groups, review and academic roles	<a href="http://tinyurl.com/VB-CV-info">http://tinyurl.com/VB-CV-info</a>
<b>Publications</b>	Author of 51 journal papers, 12 book chapters, 49 conference papers and 33 technical reports.
Full Publications list	<a href="http://tinyurl.com/VB-CV-pubs">http://tinyurl.com/VB-CV-pubs</a>
Citation metrics Google Scholar	Career citations of 3428, h-index of 28, 393 citations for most cited paper ( <a href="http://tinyurl.com/VB-CV-scholar">http://tinyurl.com/VB-CV-scholar</a> , 13/02/2018)
Citation metrics ISI ResearcherID	Career citations of 1742, h-index of 23, 225 citations for most cited paper ( <a href="http://www.researcherid.com/rid/A-1321-2008">http://www.researcherid.com/rid/A-1321-2008</a> , 13/02/2018)