



Università
Ca' Foscari
Venezia

**Workshop THEMES 2016- Measuring, Modelling
and Predicting Marine Environments: State of
the Art and Challenges**

23rd-25th November 2016, Venice, Italy

Program

Wednesday 23rd November	
Location: Aula Mario Baratto, Ca' Foscari Palace, Dorsoduro 3246 - 30123 (VE)	
8:30-8:50	Registration and welcome drink/eat
8:50-9:00	Angelo Rubino. Opening and welcome speech
Session 1: Chaired by Angelo Rubino (University Ca' Foscari, Venice) Deep and abyssal oceanography	
9:00-9:40	Detlef Quadfasel "Circulation and mixing of the Nordic Overflows - 20 years of observations" <i>SOLICITED</i>
9:40-10:00	Vincenzo Artale "Role of the mixing bottom layers in the ocean circulation (Ionian Mediterranean sub-basin)"
10:00-10:20	Hrvoje Mihanović "Modelling interannual variations of dense water formation in the northern Adriatic"
10:20-10:40	Vincenzo Artale "Abyssal circulation and ecosystem response in the Ionian sea"
10:40-11:00	Vedrana Kovačević "Was there any Adriatic Dense water renewal in the period 2014-2016? Evidences from the Middle and Southern Adriatic"
11:00-11:40	<i>Coffee break for all participants</i>
Session 2: Chaired by Stefano Pierini (University Parthenope, Naples) From small to mesoscale oceanography	
11:40-12:00	Anna Fragliasso "Tidally-generated circadian vortices in the Strait of Messina"
12:00-12:20	Andrea Bergamasco "Microstructure and turbulence in the Adriatic Sea"
12:20-12:40	Sara Durante "Hydrological fine-structure evolution as a proxy of water mass property changes in the Tyrrhenian sea"
12:40-13:00	Angelo Rubino "Mesoscale frontal features in the ocean: a tribute to Sergey Dotsenko"
13:00-13:20	Pierpaolo Falco "Currents, Tides and Waves measured by an HF Radar in the Gulf of Naples"
13:20-14:50	<i>Lunch*</i>
Session 3: Chaired by Alvise Benetazzo (CNR-ISMAR, Venice) Large-scale and global processes /1	
14:50-15:30	Stefano Pierini "Analysis of abrupt climate transitions through a dynamical systems approach: a mid-latitude North Pacific Ocean case study" <i>SOLICITED</i>
15:30-15:50	Svante Henriksson "Model studies on climate cycles"
15:50-16:10	Alessio Bellucci "The role of forcings in the 20th century North Atlantic multi-decadal variability: the 1940-1975 North Atlantic cooling case study"
16:10-16:30	Hyacinth C. Nnamchi "Seasonality of the South Atlantic SST dipole patterns"
16:30-17:00	<i>Coffee break for all participants</i>
Session 4: Chaired by Svante Henriksson (FMI, Helsinki) Large-scale and global processes /2	

17:00-17:20	Enrico Zambianchi "General characteristics of Lagrangian dispersion in the ocean (the ACCUA project contribution)" [Canceled]
17:20-17:40	Georges-Noel Tiersmondo Longandjo "Influence of surrounding oceans on Central Africa rainfall system: annual cycle and its link to zonal atmospheric heat transport" [moved to session 9]
17:40-18:00	Suzana Blesic "Scaling dynamics of the global temperature data"
18:00-18:20	Jorge López Parages "ENSO influence on the North Atlantic European climate: a non-linear and non-stationary approach"

Thursday 24th November	
Location: Aula Mario Baratto, Ca'Foscari Palace, Dorsoduro 3246 - 30123 (VE)	
8:30-9:00	Registration and welcome drink/eat
Session 5: Chaired by Katrin Schroeder (CNR-ISMAR, Venice) Monitoring/Experimental oceanography	
9:00-9:20	Salvatore Marullo "Long-term changes in the Northwestern Atlantic and Mediterranean SST from 1982 to 2015: A contribution of the Operational Oceanography to the determination of the present day Climate"
9:20-9:40	Cotroneo Yuri "Multi-source monitoring of the Algerian basin during fall 2014 and 2015"
9:40-10:00	Filippo Bergamasco "A Surface Regression Approach for Sea Temperature and Salinity Enforcing Hydrostatic Equilibrium"
10:00-10:20	Francesco De Rovere "Retrieving equatorial daily cycles from TAO buoy data"
10:20-11:00	<i>Coffee break for all participants</i>
Session 6: Chaired by Suzana Blesic (University Ca' Foscari, Venice) Predictions	
11:00-11:40	Michael J. McPhaden "Did the Failed 2014 El Niño Precondition the Pacific for a Major El Niño in 2015-16?" <i>SOLICITED</i>
11:40-12:00	Ivica Vilibic "Connecting synoptic atmospheric patterns to sea level oscillations at tsunami timescales"
12:00-12:20	Piero Lionello "Will climate change affect the Mediterranean coastline in the next decades?"
12:20-12:40	Sara Rubinetti "A robust approach to the prediction of hydroclimatic variability on multiple scales: application to the Po river discharge"
12:40-14:00	<i>Lunch*</i>
Session 7: Chaired by Giannetta Fusco (University Parthenope, Naples) The Mediterranean "miniature ocean"	
14:00-14:20	Dimitris Velaoras "CRELEV 2016 cruise in the Cretan Sea and Cretan Passage: Preliminary results on physics"
14:20-14:40	Francesco Barbariol "Space-time wave extremes in the Adriatic Sea: observation and modeling"
14:40-15:00	Giuseppe Civitarese "Large scale impact and climate sensitiveness of the BIOS mechanism"
15:00-15:20	Katrin Schroeder "Rapid response to climate change in a marginal sea"
15:20-15:40	Alvise Benetazzo "A fresh look of the meteo-oceanographic conditions that led to the Draupner freak wave"
15:40-16:00	Manuel Bensi "On the warming of the abyssal part of the Ionian Sea (Eastern Mediterranean)"
16:00-16:30	<i>Coffee break for all participants</i>
Session 8: Chaired by Jorge Lopez Parages (University Ca' Foscari, Venice) Environmental Issues	
16:30-16:50	Nastjenjka Supić "Atmospheric and oceanologic conditions favouring large bioproduction in the northern Adriatic"

16:50-17:10	Furlan Elisa "Assessing cumulative environmental impacts under changing scenarios: perspectives for adaptive management in the Adriatic sea"
17:10-17:30	Tomislav Dzoic "Coupled ROMS-IBM setup as a tool for finding young tuna fish pathways"
17:30-17:50	Federico Falcini "Fate and distribution of anchovy eggs and larvae in the Sicily channel (Mediterranean Sea): hydrodynamic processes and Lagrangian connectivity"
17:50-18:10	Sara Gavignano "Preliminary study on the release of microplastics deriving by ghost fishing nets"
18:10-18:30	Alessio Montarsolo "Life Mermaids Project: Mitigation of Microplastic caused by textile washing processes"
18:30-18:50	Daniele Brigolin "Organic matter deposition and degradation at aquaculture farms in the Northern Adriatic Sea"
20:30	<i>Social Dinner*</i>

Friday 25th November	
<i>Location: Aula Mario Baratto, Ca' Foscari Palace, Dorsoduro 3246 - 30123 (VE)</i>	
9:00-9:30	Registration and welcome drink/eat
Session 9: Chaired by Sara Durante (CNR Ismar Trieste)	
Open session	
9:30-9:50	Davide Zanchettin "Spatial-Temporal Assessment of Climate Model Drifts"
9:50-10:10	Maeregu Woldeyes Arisido "A Bayesian hierarchical approach for spatio-temporal analysis of climate model bias"
10:10-10:30	Nicola Scafetta "The Arctic and Antarctic Sea-Ice Area Index Records versus Measured and Modeled Temperature Data"
10:30-10:50	Marco Marozzi "Testing for climate anomalies using nonparametric methods"
10:50-11:10	Barbara Stenni "Present and Last Interglacial climate variability from Antarctic ice cores"
11:10-11:40	<i>Coffee break for all participants</i>
Session 6: Chaired by Davide Zanchettin (University Ca' Foscari, Venice)	
Open Discussion	
11:40-13:00	Wrap-up discussion and conclusions

*at participants' cost

All talk slots, except solicited talks, include a 15-minute presentation and 5 minutes for discussion. The solicited talks include a 30-minute presentation and 10 minutes for discussion.