



SECONDA UNIVERSITÀ DEGLI STUDI DI NAPOLI
SCUOLA POLITECNICA E DELLE SCIENZE DI BAS
DIPARTIMENTO DI
INGEGNERIA CIVILE DESIGN
EDILIZIA E AMBIENTE



Seminario

Luca Centurioni
Scripps Institution of Oceanography
La Jolla, CA
USA

Sala Conferenze
venerdì
24 giugno 2016
ore 10.00

Per Informazioni:
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The Global Drifter Program. Observations of Sea Surface Temperature, Atmospheric Pressure and Ocean Currents in the World's Ocean.

Abstract - This seminar will describe the Global Drifter Program and its role in the Global Ocean Observing System. Specifically, it will discuss the impact of the data collected by the global drifter array in calibrating and validating sea surface temperature from satellites, in numerical weather prediction, tropical cyclones forecasts, search and rescue, natural and manmade disaster mitigation and in describing the near-surface large scale ocean circulation and its dynamics. A description of the Lagrangian drifter technology will be provided, followed by notable scientific results obtained from the analysis of drifter data. Examples of, and results from, several Lagrangian experiments designed to study the interaction of the Kuroshio Current with adjacent marginal seas, such as the South China Sea and the East China Sea, will be discussed. The vision for enhancing the capabilities of the Global Drifter Program in the next decade will be presented after providing a brief synopsis of recent technical advances in the Lagrangian drifter technology.