



מכון לב  
Lev Institute

מכון נוה  
Naveh Institute

מכון טל  
Tal Institute

לוסטיוג  
Lustig

## *The Center for Oceanography **RE**search*

The Center for Oceanography REsearch (CORE) at The Jerusalem College of Technology seeks a Computer Researcher for detecting coherent structures from Lagrangian flow trajectories.

Location: Lev/Tal Institute in Jerusalem.

CORE is a research and applications center established in 2013 at The Jerusalem College of Technology by its Director, Prof. Erick Fredj. CORE focuses on the physical understanding, observations, weather predictions, seasonal outlooks and climate projections of extreme weather and water events, in order to support effective policies and practices to improve resilience in the Western U.S, Taiwan, Italy, Spain, Australia, China, Greece and Israel. Funding for this research position is in place from several federal, state and local agencies. A major emphasis in the research is on the unique scientific and applicative needs associated with drifting buoys, or drifters, which are used in oceanographic and climate research, oil spill and plastic marine debris tracking, weather forecasting, search and rescue operations, calibration and validation of velocities from high-frequency radar and from altimeters, iceberg tracking, and support of offshore drilling operations. CORE carries out its goals with a diverse network of research and operational partners at other institutions in the U.S (Rutgers University), Italy (ISMAR), Taiwan (TORI) Australia (UNSW), and Israel (Ben Gurion University, Hebrew University in Jerusalem, Weizmann Institute, and the Israel Institute for Biological Research).

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