Contribution ID: 128 Type: Invited Oral

Atomic Clock for the "GPS-Denied" Environment – Undersea

We are testing concepts and evaluating performance of Cs atomic vapor-cell clocks designed specifically for undersea applications (constrained by power consumption, low temperatures (-10 to +10 C), harsh environment) that require reliable atomic timing over durations of greater than one year. Initial results look very promising relative to alternatives.

Author: HOLLBERG, Leo

Co-authors: NGUYEN, Tuan; KOLNER, Brian

Presenter: HOLLBERG, Leo **Session Classification:** Null

Track Classification: Molecular, Atomic, Ion and Nuclear Clocks