

List of scientific publications produced by GEM elettronica

1. M. Pasquali, M. Pastore, A. Rossi "Autonomy and high accuracy are fundamental for underwater navigation. For this reason, new inertial algorithms are under intensive investigation to improve the performances. In this paper, we present the INS/DVL calibration algorithm developed by GEM elettronica for underwater applications. With this procedure, we improve the sensor data fusion between our unit, Doppler Velocity Log (DVL) and the GNSS receiver, moving along a well-defined trajectory. Acquired experimental data validate our simulation model, confirming our previously supposed results." (2014)
2. E. Spinozzi, M. Vitiello "Transient analysis of thermal effects in non-symmetrically pumped laser slabs", SPIE Proceedings Vol. 8547 High-Power Lasers 2012: Technology and Systems (2012).
3. M. Vitiello, E. Spinozzi "Operation improvement of side-pumped Er:Yb:glass lasers through optical compensation techniques", SPIE Proceedings Vol. 8543 Technologies for Optical Countermeasures IX (2012).