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Data acquisition and transport for NEMO experiment

Abstract content

A Nemo tower prototype, composed of 4 floors, has been recently deployed off the Sicily coast. This contribution aims at explaining the concepts underlying the communication link design going over the whole data acquisition and transport from the front-end electronics, with signal digitization and transmission, to the module which gathers four front-end boards and sends data on-shore through a 30 km fiber optic link; on-shore data are extracted and distributed both to first-level trigger and control systems. Underwater apparatus monitoring is guaranteed by use of oceanographic instruments and dedicated sensors. The communication link is fully bidirectional, allowing control information to be exchanged. Results from the currently working apparatus will be shown.

If this papers is presented for a collaboration, please specify the collaboration

NEMO Collaboration

Summary

Reference

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