

## عنوان مقاله:

Ship Hull Inspection and NDT using ROV based flux leakage expert system

## محل انتشار:

دوازدهمین همایش صنایع دریایی (سال: 1389)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

This paper addresses the evolution of an especially designed subsea Remotely Operated Vehicle (ROV) with dedicated electromagnetic flux leakage searching arm as a part of associated Non Destructive Testing arrangement to inspect the outer surface of large ship hull and floating production storage offloading (FPSO) platforms. Current research achievements apply the expert system techniques in the diagnostic system of subsea exterior underwater hull and components base on the concept of Ampere's law and method of measuring circulating currents without any physical destruction by testing the suspected section of ship hull which is subjected to alternating current flow with selected frequencies.

## کلمات کلیدی:

ship hull inspection, ROV based NDT, electromagnetic flux leakage, expert system

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/101404>

