Third Laureate Innovation

Project Title: An under water remote operating robot

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Abstract:

Since there are plenty of problems and limitations in deep-water work and research for direct presence of humans, deep water rover (DWR) was designed. DWRs can spent long durations in deep water and do various types of tasks, i.e. taking films and search in places which scuba divers are not able to. DWRs are remote controlled through operator at land or water surface. Speed of DWRs three 2-3 knots in general. DWRs have special features including "no disturbance in bottom sediments", which this criteria make them ideal for pictorial research in deep waters. Since there are almost no restrictions in depth and usage duration, DWRs can rove for long durations in deep waters and transfer under-water pictures and films.

DWRs could be used in for versatile purposes in: under-water gas and oil pipe lines, poles of anchors and float oil bases, dams deep walls and sediments, etc.