

# THE DEVELOPMENT OF INTELLIGENT UNDERWATER SERVICES

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**Abstract:** Brodarski institut has several decades of experience in development and usage of complex underwater equipment, including remotely operated vehicles and autonomous devices (acoustic beacons, sea mines). Today, Brodarski Institute has offer services of a low-cost Remotely Operated Vehicle (ROV) VideoRay (made by VideoRay LLC, USA) in cooperation with Faculty of Electrical Engineering and Computing. This initial experience has motivated to development new business in Brodarski Institute – Underwater Inspection Services.

**Keywords** - Covariance control, LQG control, optimization

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