

Title: **Enabling Technologies for Marine ADAS/Hazard Detection – The Missing Piece of the Jigsaw**

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Abstract

Advanced Driver Assistance Systems are becoming a commonplace for cars. ADAS provides features such as Adaptive Cruise Control, Lane Departure Warning, Forward Collision Warning and parking assistance. Hazard awareness systems are emerging for ships providing analogous features such as drive on warning, collision warning and berthing assistance. These systems are enabled by microwave and other sensors which look at the immediate vicinity of the vessel. We look at some example sensors and systems. We discuss how they might complement and integrate with Dynamic Positioning systems.