

Departmental Seminar

Seminar Title : Aqua-Aware: An Underwater Sensor Data Communicating using the Optical Wireless Communication System.
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Venue : EC129
Date and Time : 25 Aug 2025 (05.00PM)
Abstract : In this paper, we have given a design and evaluation of a real-time experimental demonstration of underwater wireless optical communication (UWOC) system to transmit the data collected by the underwater sensors which is used to get distinct feature and characteristics of underwater environment. The temperature and pressure data from the sensors are conveyed via an on-off keying modulation assisted through UWOC system. Symbol error rate performance is analysed from the proposed system and is evaluated in order to understand communication performance with respect to varying transmit power as well as link-range.