

Einladung zum Vortrag

Underwater multi-spectral imaging: more colorful vision of the ocean

von

Hong Song

Ocean College, Zhejiang University, China

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■ **ABSTRACT**

Multi-spectral/hyperspectral imaging has been widely used in satellite-based remote sensing, e.g., for ocean color monitoring, oil-spilling monitoring, etc., but the idea of spectral imaging in underwater environment is still under development. Due to the presence of water in the optical path, the image not only gets darker, blurred and geometrically modified, but the color (or, more precisely the spectrum of the image) has been distorted, which adds to difficulty for image-based underwater object recognition or underwater environment protection. In this presentation, research on underwater multi-spectral imaging in my group (Ocean Optics group of Zhejiang University) will be introduced, including motivation, method for underwater spectrum restoration and some results. Application of this technology may be found in underwater bio-objects recognition and coral monitoring.

■ **WEITERE INFORMATIONEN**

Univ.-Prof. DI Dr. Georg SCHITTER, Institut für Automatisierungs- und Regelungstechnik,
schitter@acin.tuwien.ac.at, Tel. 58801 - 37610