

Time-of-flight sensors in standard CMOS technologies

Título Time-of-flight sensors in standard CMOS technologies

Autor/a Julio Illade Quinteiro

Directores Víctor Manuel Brea Sánchez, Paula López Martínez

Tutores Víctor Manuel Brea Sánchez

Tipo Tese doutoral

Data de lectura 24/04/2017

Lugar de lectura Universidade de Santiago de Compostela

Doutorado Doutorado europeo

Abstract The goal of this PhD thesis is the design of time-of-flight sensors in standard CMOS technologies. For this, device level and circuit level task will be addressed. In the first case we will model and characterize the sensory structure. In the second case we will design the necessary circuitry to read the information captured by the sensors. The thesis will begin with the study of non-conventional photosensor structures in standard CMOS technologies, and will continue with the design of a specific circuitry in this technology. Finally, the selected design will be fabricated and tested.

LIGAZÓNS

 Teseo

DESCARGAS

 Referencia BibTex

 Descargar versión completa

PROXECTOS DE INVESTIGACIÓN

MONDEGO: Monitorización e vixilancia mediante dispositivos de visión integrados e de baixo consumo de potencia

PROGRAMAS CIENTÍFICOS

Visión artificial (antigo)