Record Nr. UNINA9910254178403321 Robots and Sensor Clouds // edited by Anis Koubaa, Elhadi Shakshuki Titolo Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2016 **ISBN** 3-319-22168-X Edizione [1st ed. 2016.] Descrizione fisica 1 online resource (97 p.) Collana Studies in Systems, Decision and Control, , 2198-4182;; 36 Disciplina 629.892 Soggetti Computational intelligence Artificial intelligence Robotics Automation Computational Intelligence Artificial Intelligence Robotics and Automation Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references. Nota di bibliografia Part I. Cloud robotics -- Part II. Cloud for the IoT. Nota di contenuto

Sommario/riassunto

This book comprises four chapters that address some of the latest research in clouds robotics and sensor clouds. The first part of the book includes two chapters on cloud robotics. The first chapter introduces a novel resource allocation framework for cloud robotics and proposes a Stackelberg game model and the corresponding task oriented pricing mechanism for resource allocation. In the second chapter, the authors apply Cloud Computing for building a Cloud-Based 3D Point Cloud extractor for stereo images. Their objective is to have a dynamically scalable and applicable to near real-time scenarios.