Finally, we see a growing need for position sensing in applications as diverse as money-handling systems, industrial equipment, automotive systems and medical devices. What's New in Sensor Technology and Sensor-Enabled Care. In this webinar, TE Connectivity (TE) Fellow, Dave Wagner, shares an overview of sensor technology that is used in a wide range of medical applications and discusses how sensors are enabling the future of healthcare. Explore Featured Medical Sensors. Board Level Pressure Sensors. As noted in the preface, the Committee on New Sensor Technologies: Materials and Applications was asked to identify novel sensor materials that could benefit the manufacture and operation of advanced systems for the Department of Defense and the National Aeronautics and Space Administration and to identify research and development (R&D) efforts that could accelerate the development and incorporation of these emerging sensor materials in particular applications with potentially high payoff. To provide a foundation for its recommendations in these areas, the committee began by assessing the Sensing methods and technologies. Sensor systems and applications. Modelling and computational methods for sensors and transducers design. Interrogation techniques and devices characterization. New demanding applications in industry, defence, space, and biomedical areas. Sensing requirements and solutions for new emerging ICT applications: Wireless Sensor Networks, Internet of Things (IoT), etc. Dr. Christos Riziotis Prof. Evangelos Hristoforou Prof.