

Ultrasound imaging : advances and applications

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20401849&lokasi=lokal>

Abstrak

This book presents some of the recent advances in Ultrasound imaging technology covering several organs and techniques in a Biomedical Engineering (BME) perspective. The focus of the book is in the algorithms, methodologies and systems developed by multidisciplinary research teams of engineers and physicians for Computer-Aided Diagnosis (CAD) purposes.

Cardiovascular and Cancer, the most common life-threatening diseases in western countries, are two of the most important topics focused in the book. However, other advanced issues are also presented such as Intravascular Ultrasound, 3D US and Ultrasound in Computer-Aided Surgery (CAS). Some chapters are direct contributions from medical research groups where Ultrasound has also received great attention in the last decade. By this, new techniques based on Ultrasound were introduced in the clinical practice for diagnosis and therapeutics, mainly in hospital facilities.