1. Record Nr. UNINA9910827738403321

Autore	Willingham Theresa
Titolo	Makerspaces in libraries / / Theresa Willingham and Jeroen De Boer
Pubbl/distr/stampa	Lanham, Maryland : , : Rowman & Littlefield, , 2015 ©2015
ISBN	1-4422-5301-0
Descrizione fisica	1 online resource (160 p.)
Collana	Library Technology Essentials ; ; Number 4
Disciplina	025.5
Soggetti	Libraries - Activity programs Libraries and community Makerspaces Do-it-yourself work Workshops
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	An introduction to makerspaces -- Getting started with makerspaces -- Tools and applications -- Library examples and case studies -- Step-by-step library projects for makerspaces -- Tips and tricks -- Future trends.
Sommario/riassunto	Makerspaces, sometimes also referred to as hackerspaces, hackspaces, and fablabs are creative, DIY spaces where people can gather to create, invent, and learn. Discover how you can create a makerspace within your own library though this step-by-step guidebook.

2. Record Nr. UNINA9910349403203321

Titolo	Simulation, Image Processing, and Ultrasound Systems for Assisted Diagnosis and Navigation : International Workshops, POCUS 2018, BIVPCS 2018, CuRIOUS 2018, and CPM 2018, Held in Conjunction with MICCAI 2018, Granada, Spain, September 16–20, 2018, Proceedings / / edited by Danail Stoyanov, Zeike Taylor, Stephen Aylward, João Manuel R.S. Tavares, Yiming Xiao, Amber Simpson, Anne Martel, Lena Maier-Hein, Shuo Li, Hassan Rivaz, Ingerid Reinertsen, Matthieu Chabanas, Keyvan Farahani
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	9783030010454 3030010457
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XIX, 204 p. 79 illus.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics, , 3004-9954 ; ; 11042
Disciplina	616.07540285 616.0757
Soggetti	Computer vision Artificial intelligence Medical informatics Computer networks Computers Computer Vision Artificial Intelligence Health Informatics Computer Communication Networks Computer Hardware
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Robust Photoacoustic Beamforming using Dense Convolutional Neural Networks -- A Training Tool for Ultrasound-guided Central Line Insertion with Webcam-based Position Tracking -- GLUENet: Ultrasound Elastography Using Convolutional Neural Network -- CUST:

CNN for Ultrasound thermal image reconstruction using Sparse Time-of-flight information -- Quality Assessment of Fetal Head Ultrasound Images Based on Faster R-CNN -- Recent Advances in Point-of-Care Ultrasound using the ImFusion Suite for Real-Time Image Analysis -- Markerless Inside-Out Tracking for 3D Ultrasound Compounding -- Ultrasound-based Detection of Lung Abnormalities using Single Shot Detection Convolutional Neural Networks -- Quantitative Echocardiography: Real-time Quality Estimation and View Classification Implemented on a Mobile Android Device -- Single-Element Needle-Based Ultrasound Imaging of the Spine: An In Vivo Feasibility Study -- A novel interventional guidance framework for transseptal puncture in left atrial interventions -- Holographic visualisation and interaction of fused CT, PET and MRI volumetric medical imaging data using dedicated remote GPGPU ray casting -- Mr. Silva and Patient Zero: a medical social network and data visualization information system -- Fully Convolutional Network-based Eyeball Segmentation from Sparse Annotation for Eye Surgery Simulation Model -- Resolve Intraoperative Brain Shift as Imitation Game -- Non-linear approach for MRI to intra-operative US registration using structural skeleton -- Brain-shift correction with image-based registration and landmark accuracy evaluation -- Deformable MRI-ultrasound Registration Using 3D Convolutional Neural Network -- Intra-operative Ultrasound to MRI Fusion with a Public Multimodal Discrete Registration Tool -- Deformable MRI-Ultrasound Registration via Attribute Matching and Mutual-saliency Weighting for Image guided Neurosurgery -- Registration of MRI and iUS data to compensate brain shift using a symmetric block-matching based approach -- Intra-operative Brain Shift Correction with Weighted Locally Linear Correlations of 3DUS and MRI -- Survival modeling of pancreatic cancer with radiology using convolutional neural networks -- Pancreatic Cancer Survival Prediction Using CT Scans and Clinical Variables.

Sommario/riassunto

This book constitutes the refereed joint proceedings of the International Workshop on Point-of-Care Ultrasound, POCUS 2018, the International Workshop on Bio-Imaging and Visualization for Patient-Customized Simulations, BIVPCS 2017, the International Workshop on Correction of Brainshift with Intra-Operative Ultrasound, CuRIOUS 2018, and the International Workshop on Computational Precision Medicine, CPM 2018, held in conjunction with the 21st International Conference on Medical Imaging and Computer-Assisted Intervention, MICCAI 2018, in Granada, Spain, in September 2018. The 10 full papers presented at POCUS 2018, the 4 full papers presented at BIVPCS 2018, the 8 full papers presented at CuRIOUS 2018, and the 2 full papers presented at CPM 2018 were carefully reviewed and selected. The papers feature research from complementary fields such as ultrasound image systems applications as well as signal and image processing, mechanics, computational vision, mathematics, physics, informatics, computer graphics, bio-medical-practice, psychology and industry. They discuss intra-operative ultrasound-guided brain tumor resection as well as pancreatic cancer survival prediction.