

Izotropic Advisors



Dr. Shadi Shakeri MD, FSBI, Advisor & Clinical Consultant

Dr. Shakeri is a fellowship-trained radiologist specializing in breast imaging, including digital mammography, tomosynthesis, breast computed tomography, ultrasound, and magnetic resonance imaging. Dr. Shakeri has been in charge of the clinical aspects of Breast CT clinical trials since 2017 at UC Davis and has been working with Dr. John M. Boone on breast CT since 2009. Her work has included clinical study design, recruiting, speaking to patients, and viewing and evaluating breast CT images, making her a unique authority on the capabilities and validity of breast CT technology.



Dr. Craig Abbey Ph.D, Advisor

Dr. Craig Abbey investigates visual tasks performed using medical or scientific images, and how task performance may be influenced by engineering parameters such as image processing or display. This area of research involves mathematical modeling of image properties and the human visual system as well as experimental work to validate these models in psychophysical studies. Results of this work are useful for better elucidating fundamental mechanisms of perception in the presence of stochastic variability and have applications to medical image processing and analysis.

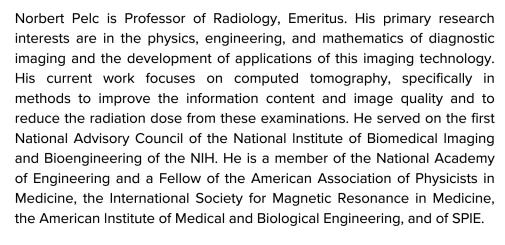


Dr. Martin YaffePh.D., Member of the Order of Canada, Advisor

Dr. Martin Yaffe is a medical physicist and imaging scientist at Sunnybrook Research Institute and Professor of Medical Biophysics at The University of Toronto. His research over the past 40 years has focused on the earlier detection, diagnosis and characterization of cancer. His lab pioneered the development of digital mammography and contrast-enhanced mammography, now used worldwide, and in collaboration with epidemiologist, Dr. Norman Boyd and multiple other collaborators, contributed to the understanding of breast density in its dual roles as a risk factor for breast cancer and in masking its detection in mammograms.



Dr. Norbert PelcD.Sc., Development & Technology Advisor





Dr. Craig Shimasaki Ph.D., MBA, Medical Device Business Advisor

Dr. Shimasaki is a scientist, businessperson, author and entrepreneur. Having co-founded three biotechnology companies, his mission has been to bring medically needed products from research, clinical testing, and regulatory approval to the public so that more patients can benefit from important new advances. Over the last 35 years, his focus has been on the development of diagnostic and therapeutic products where he has worked with the FDA, conducted clinical trials, manufactured products, and helped to develop businesses. He has brought five products through the FDA 510(k) approval process and he has served in various roles at several companies, from director of project planning, vice president of research and development, chief operating officer, and chief executive officer.



Dr. Jeff Siewerdsen Ph.D, Advisor

Dr. Siewerdsen is a Professor of Imaging Physics, Radiation Physics, and Neurosurgery and Co-Lead for Safety, Quality, and Access to Cancer Care at The University of Texas MD Anderson Cancer Center. His research over the last 25 years has focused on the development of new imaging technologies for diagnostic and image-guided procedures, particularly those involving cone-beam CT (CBCT), for which Dr. Siewerdsen is among the pioneers for systems in image-guided surgery and radiotherapy and has advanced several novel CBCT systems to first clinical application. Related work includes new imaging technologies, algorithms for 3D image reconstruction and registration, and the physics of 3D image quality.



Dr. Tao Wu Ph.D., Advisor

Dr. Tao Wu worked on the development of the world's first DBT prototype and proved the technical and clinical advantages through clinical studies. He joined Hologic as a principal medical physicist to develop commercial DBT and FFDM products. Later he was assigned by Hologic to promote DBT in the Asia Pacific region and manage operations in China. After leaving Hologic, Dr. Wu founded DART Imaging in China. His extensive development, manufacturing, and commercialization experience will further strengthen Izotropic's efforts to supersede these established technologies with IzoView Breast CT.