

Russell S. Witte Biography:



Professor
Medical Imaging
Optical Sciences
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University of Arizona

Founder/CSO
ElectroSonix LLC

Russell S. Witte, PhD graduated with Honors in Physics from the University of Arizona (1993) and Bioengineering from Arizona State University (PhD, 2002), where he studied sensory coding and learning-induced plasticity in the mammalian brain using microelectrode arrays. Following a 5-year postdoc experience in the Biomedical Ultrasound Imaging Lab at the University of Michigan, he returned to his hometown Tucson, joining the faculty in the Dept. of Radiology at the University of Arizona in 2007. His current research team develops cutting-edge “hybrid” imaging modalities that integrate light, ultrasound, electricity, and microwaves to address grand challenges in biology, medicine and engineering. The ultimate goal is to improve patient care by providing tools that enhance diagnostic accuracy and treatment-decision making compared to current state-of-the art. Dr. Witte is a member of prestigious scientific organizations, such as IEEE, SPIE, BMES, has over 200 publications, 10 patents, and is Founder/CSO of ElectroSonix LLC, a local spinoff company that was recently awarded an NIH SBIR Phase 1 to commercialize acoustoelectric imaging technology for cardiac applications.

Sample of References:

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