

Short Biography – Sefa Karaca

Sefa Karaca is a Senior Design Engineer at ASELSAN and a Ph.D. candidate in Electrical and Electronics Engineering at Bilkent University. He earned his M.Sc. from the same institution, where he developed a novel hybrid Magnetic Particle Imaging (MPI) and Low-Field Magnetic Resonance Imaging (MRI) scanner. His research focuses on advanced biomedical imaging, specifically in magnetic imaging technologies. He has experience in hardware design and signal processing methods for MPI, LF-MRI, magnetic hyperthermia and magnetic particle spectroscopy systems. He is currently developing preclinical MPI and magnetic hyperthermia systems.