Open position

Ph.D. student (part-time)

BRAIN RESEARCH LABORATORY (BRL)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
MIDDLE EAST TECHNICAL UNIVERSITY

Project Summary:
Acoustic vibrations together with a static magnetic field generate Lorentz fields inside body tissues. The resultant electric current propagates in the conductive body with the ultrasonic propagation velocity. The velocity-current density is sensed by magnetic field measurements and can be used to determine the electrical properties of the tissues.

Requirements:
Open position for a PhD student (part-time) with a particular emphasis on antennas design for TUBITAK 1001 project (114E184).
Interested candidates should meet the following criteria:
- Holding an M.S. degree in EMT (Electromagnetic Waves and Antennas) branch in Electrical and Electronics Engineering.
- Experience in using electromagnetic simulation software
  - COMSOL (preferred)
  - HFSS or CST
- Experience in antenna design and measurement.

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