



T.C.
İSTANBUL TEKNİK ÜNİVERSİTESİ
FEN EDEBİYAT FAKÜLTESİ
FİZİK MÜHENDİSLİĞİ BÖLÜMÜ
MASLAK 34469 İSTANBUL

İTÜ Fizik Mühendisliği Bölümü Bölüm Seminerleri

Konuşmacı : Prof. Dr. Burçin Ünlü (Boğaziçi Üniversitesi)
Konuşma Başlığı : Physics and Disease

Konuşma Özeti

In my presentation, I will summarize our recent work on the physics of disease. I will start with a gentle introduction to biophysics of disease. This will be followed by photoacoustic and acoustic microscopy, development of nanosecond fiber lasers for imaging, optical tweezers for detection of sound, physical modeling of angiogenesis, tumor growth and drug delivery, proton therapy, and last of all, a short discussion of machine learning.

Kısa özgeçmiş

Burçin Ünlü obtained his BS degree from ODTÜ, MS degree from Boğaziçi University, and Ph.D. from Stevens Institute of Technology all in Physics. After a research position at UC Irvine School of Medicine, he joined the faculty of Boğaziçi University Department of Physics in 2009. He is also a researcher at GI-CoRE, Hokkaido University since 2018. His research area is medical and biomedical physics, with emphasis on imaging and modeling.

Yer İTÜ Fizik Mühendisliği Bölümü Seminer Salonu (FEB L1 Z__)
Zaman 27 Eylül 2019 Cuma
15.00 (14.45 Çay- Kahve İkram servisi)