



Prof. Dr. Selim Ünlü

Titles & Roles

1. Professor of Electrical and Computer Engineering

Education & Training

Education

2. B.S. of Electrical Engineering, Middle East Technical University 1986
3. M.S.E.E. of Electrical Engineering, Middle East Technical University 1988
4. Ph.D. 1992 University of Illinois, Urbana-Champaign, 1992

Research Interests and Awards

Interests

1. Bio photonics: biological imaging techniques, biosensors,
2. Digital (single particle, molecule) detection
3. Nano photonics: solid immersion lens microscopy, imaging and analysis of semiconductor devices and circuits

Honors and Awards

1. Fellow, AIMBE, 2020
2. Fellow, Optica, 2017
3. Fellow, IEEE, 2007

4. Editor-in-Chief, IEEE Journal of Quantum Electronics, 2011
5. General Chair for IEEE Photonics Society Annual Meeting, 2009
6. TÜBİTAK Special Award, 2008
7. ARCNN Distinguished Lecturer, 2007
8. IEEE/LEOS Distinguished Lecturer, 2005 – 2007
9. NSF CAREER Award, 1996
10. ONR Young Investigator Award, 1996
11. Boston University Innovator of the Year Award, 2021
12. Charles DeLisi Distinguished Lecturer Award, 2016
13. Dean's Catalyst Award, 2007
14. College of Engineering Service Award, 2006
15. ECE Award for Excellence in Teaching, 2002

Biography

Dr. Ünlü has been a professor at Boston University. He is currently a Distinguished Professor of Engineering appointed in electrical and computer engineering, biomedical engineering, physics, and graduate medical sciences. He has also served as the Associate Dean for Research and Graduate Programs. Dr. Ünlü was the recipient of the NSF CAREER and ONR Young Investigator Awards in 1996. He has been selected as a Photonics Society Distinguished Lecturer for 2005-2007 and Australian Research Council Nanotechnology Network (ARCNN) Distinguished Lecturer for 2007. He has been elevated to IEEE Fellow rank in 2007 for his “contributions to optoelectronic devices” and OSA Fellow rank in 2017 for his “for pioneering contributions in utilization of optical interference in enhanced photodetectors and biological sensing and imaging.” In 2008, he was awarded the Science Award by TUBITAK. His professional service includes serving as the chair of the Annual Meeting for IEEE Photonics Society and Editor-in-Chief for IEEE Journal of Quantum Electronics. Dr. Ünlü has authored and co-authored ~200 journal articles (h-index of 51) and 10 book chapters and several magazine articles; edited one book; holds 23 US patents; and has several patents pending.

Research Affiliations

1. Photonics & Optical Systems, Primary & Affiliated Faculty
2. Division of Materials Science & Engineering
3. Department of Biomedical Engineering

4. Department of Physics
5. Photonics Center
6. Precision Diagnostics Center