



# STEM PATHWAYS

## FALL 2022 SEMINAR SERIES



### Rabia Yazicigil

#### The Future is Now! Bioelectronics for Disease Diagnosis and Environmental Monitoring

The BU Wireless Integrated Systems and Extreme Circuits (WISE-Circuits) group meld circuits with energy-constrained applications to develop breakthroughs in fields including bioengineering and wireless communications. We create unique application-driven systems from abstracted foundations implemented in custom-integrated hardware. This talk will introduce our interdisciplinary research, highlighting application-specific integrated circuits for biosensing, in collaboration with BU BME and MIT BE/MechE.



#### WHEN:

Monday, November 14, 2022  
4 - 5 PM

#### WHERE:

CILSE 106C

#### ABOUT OUR SPEAKER:

Rabia Yazicigil is currently an Assistant Professor of ECE Department at Boston University, a Visiting Scholar at MIT, and a Network Faculty at Sabanci University. She was a Postdoctoral Associate at MIT and received her Ph.D. degree from Columbia University in 2016. Her research interests lie at the interface of integrated circuits, signal processing, security, bio-sensing, and wireless communications to innovate system-level solutions for future energy-constrained applications. She has received numerous awards, including the "Electrical Engineering Collaborative Research Award" for her Ph.D. research (2016), second place at the Bell Labs Future X Days Student Research Competition (2015), and 2014 Millman Teaching Assistant Award of Columbia University. She recently served as the Vice Chair of the Rising Stars 2020 workshop at the IEEE International Solid-State Circuits Conference (ISSCC) and she is member of the 2015 MIT EECS Rising Stars cohort. She is a member of the IEEE ISSCC and ESSCIRC Technical Program Committees.



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[connect@stempathways.org](mailto:connect@stempathways.org)

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