

# Zikun Tan

## Personal Curriculum Vitae

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## Biography

I am currently a PhD student in Prof. Ron Dabora's group in the Department of Electrical & Computer Engineering, Ben-Gurion University of the Negev, Be'er Sheva, Israel.

My research interests include signal processing, wireless communications & information theory.

## Education

PhD Electrical & Computer Engineering Oct. 2021 - Present  
Ben-Gurion University of the Negev Be'er Sheva, Israel

Advisor: Prof. Ron Dabora

Committee Members: Prof. Omer Gurewitz (Chair), Dr. Nir Shlezinger, Dr. Wasim Huleihel (Tel-Aviv University)

MS Electrical Engineering Sep. 2019 - Mar. 2021  
Northwestern University Evanston, IL, USA

BEng Electrical & Electronic Engineering Sep. 2017 - Jun. 2019  
University of Liverpool Liverpool, UK

BEng Telecommunications Engineering Sep. 2015 - Jun. 2019  
Xi'an Jiaotong-Liverpool University Suzhou, Jiangsu, P. R. China

## Publications

### Conference Papers

[C1] Z. Tan, R. Dabora, and H. V. Poor, "On the Rate-Distortion Function for Sampled Cyclostationary Gaussian Processes with Memory," *Proceedings of the IEEE International Symposium on Information Theory (ISIT)*, July 2024, Athens, Greece.

[C2] Z. Tan, R. Dabora, and H. V. Poor, "The Rate-Distortion Function for Sampled Cyclostationary Gaussian Processes with Memory and with Bounded Processing Delay," *Proceedings of the IEEE International Symposium on Information Theory (ISIT)*, June 2025, Ann Arbor, MI, USA.

### Journal Papers

[J1] Z. Tan, R. Dabora, and H. V. Poor, "Rate-Distortion Analysis for Sampled Correlated Cyclostationary Gaussian Processes," accepted to the *IEEE Transactions on Communications*.

## Talks & Seminars

"Rate-Distortion Analysis for Sampled Correlated Cyclostationary Gaussian Processes," April 15<sup>th</sup>, 2026, ECE Departmental Seminar, Ben-Gurion University of the Negev, Be'er Sheva, Israel.

## Awards

Student Travel Grant Apr. 2025  
· 2025 IEEE International Symposium on Information Theory.

Student Travel Grant Jun. 2024  
· 2024 IEEE International Symposium on Information Theory.

## **High-tech, Bio-tech and Chem-tech Doctoral Fellowship**

· For excellent new PhD students with STEM fields in Ben-Gurion University of the Negev.

Sep. 2021

## **Professional Services**

### **Reviewer**

IEEE ISIT 2026 (1)

## **Membership**

IEEE Graduate Student Member

IEEE Information Theory Society Student Member

## **Personal**

CITIZENSHIP: People's Republic of China

LANGUAGES: Chinese, English

PLACE OF BIRTH: Hefei, Anhui, P. R. China

DATE OF BIRTH: December 27<sup>th</sup>, 1996

**Updated on May 14<sup>th</sup>, 2026.**