

Jinjing Han

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EDUCATION

Ph.D.	University of Maryland, College Park, USA Electrical and Computer Engineering	09/2017-Present
B.S.	Rutgers University, New Brunswick, USA Electrical and Computer Engineering	09/2013–05/2017

RESEARCH EXPERIENCES

Graduate Research Assistant	MEMS Sensors and Actuators Laboratory University of Maryland, College Park, USA Advisor: Dr. Reza Ghodssi	01/2019-Present
Undergraduate Capstone Project	Microelectronics Research Laboratory Rutgers University, New Brunswick, USA Project: “ <i>Design and Analysis of RF-Frequency Tuning Devices</i> ” Advisor: Dr. Yicheng Lu, Dr. Pavel Ivanoff Reyes	01/2017-05/2017
Undergraduate Research Intern	Microelectronics Research Laboratory Rutgers University, New Brunswick, USA Project: “ <i>Analysis of Acousto-Electric Effect in ZnO/GaN Heterostructure</i> ” Advisor: Dr. Yicheng Lu, Dr. Pavel Ivanoff Reyes	05/2016-05/2017

TEACHING EXPERIENCES

Graduate Teaching Assistant	Electronic Circuit Design Laboratory (ENEE307-Fall 2017, 2018, 2019) Design and Fabrication of Micro-Electro-Mechanical Systems (MEMS) (ENEE605 – Fall 2020)	09/2017-12/2020
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HONORS & AWARDS

ECE Outstanding Teaching Assistant Award	University of Maryland, College Park, USA	Spring 2019
James L. Potter Award	Rutgers University, New Brunswick, USA	Spring 2017
James J. Slade Scholar	Rutgers University, New Brunswick, USA	Spring 2017

9th Place Capstone Design Award

Spring 2017

Rutgers University, New Brunswick, USA

PUBLICATIONS

1. R. C. Huiszoon, **J. Han**, S. Chu, J. M. Stine, L. A. Beardslee and R. Ghodssi, "Integrated System for Bacterial Detection and Biofilm Treatment on Indwelling Urinary Catheters," IEEE Transactions on Biomedical Engineering, submitted in January 2021. (under review)
2. A. A. Chapin, **J. Han**, T. Ho, J. Herberholz, and R. Ghodssi, "A Hybrid Biomonitoring System for Gut-Neuron Communication," Journal of Microelectromechanical Systems, "Special Proceeding," vol. 29, No. 5, pp. 727-733, October 2020, doi: 10.1109/JMEMS.2020.3000392.
3. R. Li, P. I. Reyes, G. Li, K. Tang, K. Yang, S. Wang, **J. Han**, N. W. Emanetoglu and Y. Lu "Tunable SAW Devices Based on Ni:ZnO/ZnO/GaN Structures with Buried IDTs" *ECS J. Solid State Sci. Technol.*, vol. 6, issue 11, S3119-S3124, 2017.

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