

Can Deniz Bezek

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EDUCATION

Ph.D. in Information Technology Uppsala University	2021 – Present Uppsala, Sweden
M.S. in Electrical and Electronics Engineering (CGPA:4.00/4.00) Middle East Technical University	2019 – 2021 Ankara, Turkey
<ul style="list-style-type: none">Development of learning-based reconstruction methods for computational imagingAdvisor: Assist. Prof. Figen S. Oktem	
B.S. in Electrical and Electronics Engineering (CGPA:3.88/4.00) Middle East Technical University	2015 – 2019 Ankara, Turkey

PROFESSIONAL EXPERIENCE

Research and Teaching Assistant Middle East Technical University	February 2020 – November 2021 Ankara, Turkey
<ul style="list-style-type: none">Vector Space Methods in Signal Processing (EE499) Fall 2020Probability and Random Variables (EE230) Spring 2019Real-Time Applications of Digital Signal Processing (EE433) Spring 2019, 2020	
Research Intern Medizinische Informationstechnik (MedIT)	June 2018– September 2018 Aachen, Germany
<ul style="list-style-type: none">Development of capacitive ECG mock-upSimulating and analyzing ballistocardiographic coupling into capacitive ECGProcessing output signals of capacitive ECG mock-up	
Project Assistant Arcelik A.S.	November 2018– June 2019 Ankara, Turkey
<ul style="list-style-type: none">Development of mDNS implementation on a microcontroller for IoT applications	
Editor tr.motorsport.com	November 2015 – Februray 2016 Istanbul, Turkey
<ul style="list-style-type: none">Translation of Formula 1 news from English and German to Turkish	

RESEARCH INTERESTS

Computational Imaging, Inverse Problems, Deep Learning, Signal Processing

VOLUNTEER ACTIVITIES

Coordinator of Career and Internship Project Group IEEE METU	May 2016 – June 2017
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AWARDS, CERTIFICATES & HONORS

METU | Course Performance Award for the highest CGPA in the EE department.
KAIST | Travel grant for 2019 KAIST EE Visit Camp
METU EEE Department | Bulent Kerim Altay award for 4.0/4.0 GPA in Spring 2017, Fall 2018, and Spring 2018
TUBITAK (Scientific and Technical Research Council of Turkey) | Scholarship for M.S. studies
METU | 8 times listed in Dean's High Honor Roll, Middle East Technical University, 2015-2019
Deutsches Sprachdiplom (DSDII) | German proficiency at level C1 (except listening B2)
IELTS | Overall score 7.5
Ericsson | ICT Profesional Foundation Program

PUBLICATIONS

1. **C. D. Bezek** and F. S. Oktem, “**Unrolling-Based Deep Reconstruction for Compressive Spectral Imaging.**” COSI 2021. ([link](#))
2. F. S. Oktem, O. F. Kar, **C. D. Bezek** and F. Kamalabadi, “**High-resolution Multi-spectral Imaging with Diffractive Lenses and Learned Reconstruction.**” To be published in IEEE Transactions on Computational Imaging. ([link](#))
3. I. Manisali*, R. M. Cam*, **C. D. Bezek***, and F. S. Oktem, “**Deep CNN Prior Based Image Reconstruction for Multispectral Imaging.**” In 28th Signal Processing and Communications Applications Conference, Gaziantep, 5-7 Oct., 2020 (in Turkish)(*equal contribution) ([link](#))
4. D. U. Uguz, P. Weidener, **C. D. Bezek**, T. Wang, S. Leonhardt and C. H. Antink, “**Ballistocardiographic Coupling of Triboelectric Charges into Capacitive ECG.**” 2019 IEEE International Symposium on Medical Measurements and Applications (MeMeA), Istanbul, Turkey, 2019, pp. 1-5, ([link](#))

SKILLS

Languages: Turkish (Native), English (fluent), German (fluent)
Programming: MATLAB, C, Python, TensorFlow, LabVIEW , \LaTeX