

# Can Deniz Bezek

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## EDUCATION

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

## PROFESSIONAL EXPERIENCE

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

## RESEARCH INTERESTS

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Computational Imaging, Inverse Problems, Deep Learning, Signal Processing

## VOLUNTEER ACTIVITIES

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<b>Coordinator of Career and Internship Project Group</b> IEEE METU	May 2016 – June 2017
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## AWARDS, CERTIFICATES & HONORS

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**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

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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

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**Languages:** Turkish (Native), English (fluent), German (fluent)  
**Programming:** MATLAB, C, Python, TensorFlow, LabVIEW , $\text{\LaTeX}$