

## Prof. Ahmet Cansız

### Personal Information

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### Biography

Ahmet Cansız is currently a professor at Istanbul Technical University, Electrical Engineering Department, Turkey. He obtained his Ph.D. degree from the Illinois Institute of Technology, USA, in 1999. Upon completing his Post Doctoral research at the University of Cambridge in 2001, he was then appointed as Assistant Professor at Atatürk University, Turkey, where he worked until 2012. Professor Cansız has a wide experience in engineering applications of superconductivity; superconducting fault current limiters, superconducting MagLev, superconducting bearing system, superconducting flywheel energy storage and superconducting magnetic energy storage. Electromechanical energy conversion associated with energy storage technologies and renewable energy sources are his main research interest. His research area also focuses on interdisciplinary subjects such as heat transfer phenomena in heat exchangers, integration of renewable energy with smart grids and electromagnetic wave propagation. He has over 40 journal publications in the subject of electromagnetics, electromechanics, thermodynamics and energy related topics.

### Education Information

Doctorate, Illinois Institute Of Technology, United States Of America 1996 - 1999

Postgraduate, Illinois Institute Of Technology, Fizik, United States Of America 1994 - 1996

Undergraduate, İstanbul Üniversitesi, Fen Fakültesi, Fizik Bölümü, Turkey 1987 - 1991

### Foreign Languages

English

### Dissertations

Doctorate, FORCE, STIFFNESS AND HYSTERESIS LOSSES IN HIGH TEMPERATURE SUPERCONDUCTING BEARINGS, Illinois Institute Of Technology, 1999

### Research Areas

Technical Sciences, Electrical and Electronics Engineering, Electromagnetic, Electric and Magnetic Fields, Electromagnetic Waves, Antennas and Propagation, Mechanical Engineering, Thermodynamics, Heat and Mass Transfer, Thermal Systems, Basic Sciences, Physics, Interdisciplinary Physics and Related Science and Technology Areas, Electronic and magnetic devices, microelectronics

## **Academic Titles / Tasks**

Professor, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 2012 - Continues  
Professor, Atatürk Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2010 - 2012  
Associate Professor, Atatürk Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2005 - 2010  
Assistant Professor, Atatürk Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2001 - 2005  
Lecturer PhD, University Of Cambridge-Christ's College, Engineering Department, Electrical Engineering, 2000 - 2001  
Research Assistant, Illinois Institute Of Technology, Life Sciences, 1997 - 1999

## **Academic and Administrative Experience**

İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 2012 - Continues  
Atatürk Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2004 - 2012  
Atatürk Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2001 - 2004

## **Courses**

Applied Superconductivity, Doctorate, 2016 - 2017  
ELECTROMECHANICAL ENERGY CONVERSION, Undergraduate, 2015 - 2016, 2016 - 2017

## **Jury Memberships**

Associate Professor Exam, Sözlü sınav, İTÜ, April, 2015

## **Memberships / Tasks in Scientific Organizations**

IEEE, Member, 2005 - Continues

## **Edit Congress and Symposium Activities**

14-th IFAC Symposium on Control in Transportation Systems, Attendee, İstanbul, Turkey, 2016  
5th International Conference on Superconductivity and Magnetism, Attendee, İzmir, Turkey, 2016  
IV. Ulusal Süperiletkenler Sempozyumu, Invited Speaker, Trabzon, Turkey, 2009

## **Citations**

Total Citations (WOS):625  
h-index (WOS):13