

## Prof. YASEMİN ÇETİN

### Personal Information

**Email:** yyardim@metu.edu.tr

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### Education Information

Doctorate, Vanderbilt University, School of Engineering, Electrical Engineering, United States Of America 1988 - 1994

Postgraduate, Bogazici University, Institute Of Science, Elektrik-Elektronik Mühendisliği (Dr), Turkey 1984 - 1988

### Dissertations

Doctorate, New Results in Point Source Location Problem, Vanderbilt University, Elektrik Mühendisliği, 1994

Postgraduate, Robust Estimation and Spherically Invariant Processes, Boğaziçi Üniversitesi, Elektrik-Elektronik Mühendisliği (Dr), 1988

### Academic Titles / Tasks

Professor, Middle East Technical University, Graduate School of Informatics, Information Systems, 2008 - Continues

Associate Professor, Middle East Technical University, Graduate School of Informatics, 2003 - 2007

Assistant Professor, Middle East Technical University, Graduate School of Informatics, Modelleleme Ve Similasyon Anabilim Dalı, 1999 - 2003

### Academic and Administrative Experience

Middle East Technical University, Graduate School of Informatics, Information Systems, 2010 - Continues

### Advising Theses

ÇETİN Y., Tree crown detection using multispectral satellite imagery, Postgraduate, M.MERT(Student), 2018

KARAGÖZ P., ÇETİN Y., SEQUENCE ALIGNMENT BASED PROCESS FAMILY EXTRACTION, Doctorate, E.ESGİN(Student), 2018

ÇETİN Y., Underwater target detection with hyperspectral imagery for search and rescue operations, Postgraduate, İ.CEM(Student), 2017

ÇETİN Y., Detection and identification of greenhouse gases using infrared hyperspectral imagery, Postgraduate, Y.GÜR(Student), 2017

ÇETİN Y., Data quality assessment in credit risk management by a customized total data quality management approach, Postgraduate, M.İLYAS(Student), 2016

ÇETİN Y., BİLGEN S., Data quality assessment in credit risk management by customized total data quality management approach, Postgraduate, M.İlyas(Student), 2016

TAŞKAYA TEMİZEL T., ÇETİN Y., Using survival analysis to investigate the persistence of students in an introductory information technology course at METU, Postgraduate, O.OZAN(Student), 2015

ÇETİN Y., Shadow detection on multispectral images, Postgraduate, H.DAĞLAYAN(Student), 2015

ÇETİN Y., Organizational factors required for it and business strategies alignment, Postgraduate, S.ALTINIŞIK(Student), 2015

ÇETİN Y., YILDIRIM İ. S., Knowledge management awareness and maturity levels of small and medium enterprises (smes) in technoparks of Turkey, Postgraduate, M.Prabu(Student), 2014

ÇETİN Y., YILDIRIM İ. S., Knowledge management awareness and maturity levels of small and medium enterprises in technoparks of Turkey, Postgraduate, M.PRABU(Student), 2014

ÇETİN Y., An assessment of knowledge management maturity among the public institutions in Turkey, Postgraduate, T.BAYKIZ(Student), 2014

ÇETİN Y., An Investigation on hyperspectral image classifiers for remote sensing, Postgraduate, O.Bilge(Student), 2013

ÇETİN Y., A Quantitative analysis on the probable factors affecting the success of e-government transformation in turkey: a study based on the data of internal and external stakeholders, Doctorate, G.İskender(Student), 2013

ÇETİN Y., ÖZKAN YILDIRIM S., Organizational adoption of mobile communication technologies, Doctorate, İ.ARPACI(Student), 2013

ÇETİN Y., An investigation on hyperspectral image classifiers for remote sensing, Postgraduate, O.BİLGE(Student), 2013

ÇETİN Y., Road extraction from high resolution satellite images using adaptive boosting with multi-resolution analysis, Postgraduate, U.Çınar(Student), 2012

ÇETİN Y., Road network extraction from high-resolution multi spectral satellite images, Doctorate, E.Karaman(Student), 2012

ÇETİN Y., Angle perception on autostereoscopic displays, Postgraduate, E.Karaman(Student), 2009

ÇETİN Y., Classification of remotely sensed data by using 2D local discriminant bases, Postgraduate, Ç.Tekinay(Student), 2009

ÇETİN Y., Non-destructive testing of textured foods by machine vision, Postgraduate, P.BERİAT(Student), 2009

ÇETİN Y., Evaluation of visual cues of three dimensional virtual environments for helicopter simulators, Postgraduate, Y.Çetin(Student), 2008

ÇETİN Y., A virtual human animation tool using motion capture data, Postgraduate, S.Nar(Student), 2008

ÇETİN Y., Density based clustering using mathematical morphology, Postgraduate, C.Erdem(Student), 2007

ÇETİN Y., Design and implementation of a secure and searchable audit logging system, Postgraduate, D.İncebacak(Student), 2007

ÇETİN Y., Parameter extraction and image enhancement for catadioptric omnidirectional cameras, Postgraduate, Y.Baştanlar(Student), 2005

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ground-based Hyperspectral Image Surveillance System for Explosive Detection: Methods, Experiments, and Comparisons**  
Kütük M., Geneci I., Özdemir O. B., Koz A., Esentürk O., Cetin Y. Y., Alatan A. A.  
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, vol.16, pp.8747-8763, 2023 (SCI-Expanded)
- II. **Multi-year vector dynamic time warping-based crop mapping**  
Teke M., ÇETİN Y.  
JOURNAL OF APPLIED REMOTE SENSING, vol.15, no.1, 2021 (SCI-Expanded)
- III. **Catadioptric hyperspectral imaging, an unmixing approach**  
Baskurt D. O., BAŞTANLAR Y., ÇETİN Y.  
IET COMPUTER VISION, vol.14, no.7, pp.493-504, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Human Hepatocellular Carcinoma Classification from H&E Stained Histopathology Images with 3D**

## **Convolutional Neural Networks and Focal Loss Function**

Cinar U., Cetin Atalay R., Cetin Y. Y.

Journal of Imaging, vol.9, no.2, 2023 (ESCI)

## **II. The Demand Side for Development of E-Government Services and Gateway in Turkey: Taking Citizen Perceptions and Suggestions into Account**

Medeni D. T., ÇETİN Y., Balci A., Ozkan S.

DIGITAL DEMOCRACY: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS, VOL 1, pp.1386-1406, 2012  
(Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

### **I. Taking the demand side into account: Citizen perceptions and suggestions for development of e-Government services and gateway in Turkey**

Medeni D. T., ÇETİN Y., Balci A., Özkan S.

7th European, Mediterranean and Middle Eastern Conference on Information Systems, EMCIS 2010, Abu Dhabi, United Arab Emirates, 12 - 13 April 2010

## **Supported Projects**

ÇETİN Y., ÇINAR U., ÖZDEMİR O. B., ÖMRÜZUN F., eken i. c., gü r y., SOYDAN H., BAŞKURT N. D., KORKMAZ Ö., Project Supported by Higher Education Institutions, Hiperspektral Görüntülerde Arkeolojik Kalıntıların İncelenmesi, 2015 - 2017

ÇETİN Y., ÇINAR U., ÖZDEMİR O. B., ERDEM A., SOYDAN H., Project Supported by Higher Education Institutions, Hiperspektral imgeler üzerinden malzeme tespiti, 2013 - 2014

## **Metrics**

Publication: 42

Citation (WoS): 58

Citation (Scopus): 50

H-Index (WoS): 4

H-Index (Scopus): 4

## **Non Academic Experience**

Middle East Technical University

Middle East Technical University

Middle East Technical University