

## Lect. İBRAHİM ÇAM

### Personal Information

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

**Web:** <https://avesis.metu.edu.tr/icam>

### Education Information

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 2012 - 2016

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1989 - 1996

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1981 - 1986

### Dissertations

Doctorate, Phase equilibria and thermodynamic studies in the system iron-nicked-oxygene at 1300 C, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1996

Postgraduate, ZnO varistors with iron oxide, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1989

### Academic Titles / Tasks

Expert, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1996 - Continues

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

- I. **Ionic conductivity of microporous titanosilicate ETS-10 and ion-exchanged Mn<sup>+</sup>-ETS-10 (where, Mn<sup>+</sup> = Li<sup>+</sup>, Na<sup>+</sup>, Mg<sup>2+</sup>, Zn<sup>2+</sup>, Ca<sup>2+</sup>) thin films prepared by secondary growth method**  
Galioglu S., ÇAM İ., AKATA KURÇ B.  
MICROPOROUS AND MESOPOROUS MATERIALS, vol.250, pp.177-185, 2017 (SCI-Expanded)
- II. **Investigating the effects of subsequent weld passes on surface residual stresses in steel weld merits by Magnetic Barkhausen Noise technique**  
GÜR C. H., Erian G., BATIGÜN C., ÇAM İ.  
Materials Evaluation, vol.74, no.3, pp.418-423, 2016 (SCI-Expanded)
- III. **Investigating the Effects of Subsequent Weld Passes on Surface Residual Stresses in Steel Weldments by Magnetic Barkhausen Noise Technique**  
GÜR C. H., Erian G., BATIGÜN C., ÇAM İ.  
MATERIALS EVALUATION, vol.74, no.3, pp.418-423, 2016 (SCI-Expanded)
- IV. **Investigating the Effects of Subsequent Weld Passes on Surface Residual Stresses in Steel Weldments by Magnetic Barkhausen Noise Method**  
GÜR C. H., GÖKHAN E., BATIGÜN C., ÇAM İ.

Materials Evaluation, vol.73, pp.418-423, 2016 (SCI-Expanded)

- V. **Dielectric and piezoelectric properties of PZT ceramics doped with strontium and lanthanum**  
Kalem V., ÇAM İ., Timucin M.  
CERAMICS INTERNATIONAL, vol.37, no.4, pp.1265-1275, 2011 (SCI-Expanded)
- VI. **Non-destructive determination of residual stress state in steel weldments by Magnetic Barkhausen Noise technique**  
YELBAY H. İ., ÇAM İ., Guer C. H.  
NDT & E INTERNATIONAL, vol.43, no.1, pp.29-33, 2010 (SCI-Expanded)
- VII. **Comparison of magnetic Barkhausen noise and ultrasonic velocity measurements for microstructure evaluation of SAE 1040 and SAE 4140 steels**  
Gur C. H., Cam I.  
MATERIALS CHARACTERIZATION, vol.58, no.5, pp.447-454, 2007 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Investigation of as-quenched and tempered commercial steels by Magnetic Barkhausen Noise method**  
GÜR C. H., ÇAM İ.  
International Journal of Microstructure and Materials Properties, vol.1, no.2, pp.208-218, 2006 (Scopus)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Humidity Sensing Behavior of Microporous Titanosilicate and Vanadosilicate Thin Films**  
Davoudnezhad R., Kuzkaya D., ÇAM İ., AKATA KURÇ B.  
MRS 2019 Fall Meeting Exhibit, Boston, United States Of America, 1 - 06 December 2019
- II. **Humidity Sensors Based on microporous Titanosilicate Vanadosilicate Thin Films**  
Davoudnezhad R., Kuzkaya D., ÇAM İ., AKATA KURÇ B.  
British Zeolit Association 42. Annual Meeting, 11 - 12 April 2019
- III. **Humidity sensors developed based on ETS-10**  
Davoudnezhad R., Galioglu S., ÇAM İ., AKATA KURÇ B.  
7th FEZA Conference, 3 - 07 July 2017
- IV. **Zeo type Titanosilicate ETS 10 Thin Films as a Humidity Sensor**  
Galioglu S., ÇAM İ., AKATA KURÇ B.  
18th International Zeolite Conference, 19 - 24 June 2016
- V. **Monitoring the Effects of Subsequent Weld Runs on Surface Residual Stresses in Steel Plates by Magnetic Barkhausen Noise Method**  
ERİAN G., BATIGÜN C., ÇAM İ., GÜR C. H.  
11th International Conference on Barkhausen Noise & Micromagnetic Testing, Kuşadası, Turkey, 18 - 20 June 2015
- VI. **NONDESTRUCTIVE MONITORING OF VARIATIONS OF RESIDUAL STRESSES IN STEEL WELDMENTS BY MAGNETIC BARKHAUSEN NOISE METHOD**  
GÜR C. H., Erian G., BATIGÜN C., ÇAM İ.  
ASME Pressure Vessels and Piping Conference (PVP-2013), Paris, France, 14 - 18 July 2013
- VII. **Investigating the effects of quenching and tempering on steel microstructures by Magnetic Barkhausen Noise method**  
GÜR C. H., ÇAM İ.  
6th International Quenching and Control of Distortion Conference: Quenching Control and Distortion, Including the 4th International Distortion Engineering Conference, Chicago, IL, United States Of America, 9 - 13 September 2012, pp.258-265
- VIII. **Investigating the effect of number of weld passes on the residual stress state of steel plates by**

### **micro magnetic method**

Erian G., Batgün C., ÇAM İ., GÜR C. H.

16th International Metallurgy and Materials Congress, At Istanbul, Volume: CD Proceedings, pp. 903-911, İstanbul, Turkey, 13 - 15 September 2012, pp.903-911

### **IX. PREDICTION OF SURFACE RESIDUAL STRESSES IN BUTT-WELDED STEEL PLATES BY MAGNETIC BARKHAUSEN NOISE ANALYSIS**

GÜR C. H., YELBAY H. İ., ÇAM İ.

10th European Conference on Non-Destructive Testing (ECNDT 2010), Moscow, Russia, 7 - 11 June 2010, pp.31-36

## **Supported Projects**

AKATA KURÇ B., ÇAM İ., BEHLÜLGİL A. K., KÖKSAL S., GÜZEL A., Project Supported by Higher Education Institutions, Merkez Laboratuvar ARGE Eğitim ve Ölçme Merkezinde Malzeme Karakterizasyonu, 2017 - 2019

AKATA KURÇ B., ÇAM İ., DAVOUDNEZHAD R., Project Supported by Higher Education Institutions, NANOGÖZENEKLİ TİTANYUMSİLİKAT İNCE FİMLERİNDEN NEM SENSÖRÜ YAPIMININ ARAŞTIRILMASI, 2017 - 2017

ÖZKAN N., ÇAM İ., BEHLÜLGİL A. K., KÖKSAL S., GÜZEL A., Project Supported by Higher Education Institutions, Ar-Ge Eğitim Ve Ölçme Merkezinde Malzeme Karakterizasyonu, 2011 - 2013

## **Metrics**

Publication: 17

Citation (WoS): 181

Citation (Scopus): 212

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