

# Murat Osmanoglu

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Computer Engineering Department  
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## Education

2015 PhD in Computer Science  
University of Connecticut, USA

2007 MS in Applied Mathematics  
Yildiz Technical University, İstanbul

## Publications:

Aggelos Kiayias, Murat Osmanoglu, and Qiang Tang. Graded Signatures. ISC, 2015.

Aggelos Kiayias, Murat Osmanoglu, and Qiang Tang. Graded Encryption, or How to Play “Who Wants To Be A Millionaire?” Distributively. ISC, 2014.

Murat Osmanoglu and Mustafa Bayram. A Numerical Method for Partial Differential Algebraic Equations Based on Differential Transform Method. ABSTRACT AND APPLIED ANALYSIS, 2013.

Murat Osmanoglu, Muhammet Kurulay, and Mustafa Bayram. Application of Differential Transform Method to the Differential Algebraic equations with index 2. Afyon Kocatepe University Journal of Science, 2008.

Murat Osmanoglu, Muhammet Kurulay, and Mustafa Bayram. Solution of the differential-algebraic equations with index-3 using differential transform method. Journal of the Institute of Science and Technology of Dumlupınar University, 2008.

Murat Osmanoglu, Muhammet Kurulay, and Mustafa Bayram. Sabit Katsayılı Lineer Diferensiyel Cebirsel Denklemlerin Diferensiyel Dönüşüm Yöntemi İle Nümerik Çözümü. Journal of the Institute of Science and Technology of Dumlupınar University, 2007.

## Manuscripts (in submission)

Aggelos Kiayias, Qiang Tang, and Murat Osmanoglu. Graded Broadcast Encryption.

Aggelos Kiayias, Murat Osmanoglu, Alexander Russell, and Qiang Tang. Space Optimal Computational Multi-Secret Sharing and Its Applications.

## Conference Talks

2015/9 Graded Signatures, ISC'15, Norway

2014/10 Graded Encryption, or How to Play “Who Wants To Be A Millionaire?” Distributively, ISC'14, Hong Kong

**Teaching :**

Discrete Structures, Ankara University

Algorithms, Ankara University

Fuzzy Logic, Ankara University

Numerical Analysis Methods, Ankara University