

Colloquium

Department of Computer Science

Dr. Abdelrahman Desoky

Dr. Abdelrahman Desoky is an associate professor at Claflin University. He is an experienced educator at both the graduate and undergraduate level with over twenty years of IT experience in the academic and industrial sectors. Dr. Desoky received a Doctoral Degree (Ph.D.) from the University of Maryland, Baltimore County, and a Master of Science (M.Sc.) from the George Washington University; both degrees are in Computer Engineering. His Doctoral Dissertation is entitled "Nostega: A Novel Noiseless Steganography Paradigm". The paradigm explores the topic of Noiseless Steganography, which refers to the science and art of covert communications. Nostega provides a way to secure information in static stage and during data transmission to a legitimate recipient. His M.Sc. degree concentrated on Computer Architecture and Networks, with research focusing on Security Architecture for Computers and Networks. He is the author of security book entitled "Noiseless Steganography: The key of Covert Communications".

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3:00 PM

Engineering Building A, Room 111

MODERN STEGANOGRAPHY

Abstract

Modern Steganography is the science and art of covert communications. It provides a way to secure information in static stage and/or during data transmission to a legitimate recipient. Thus, when sending secret messages inside ordinary objects (e.g. text, image, graph, game, etc.), a would-be eavesdropper will have no clue that a message is present. It is worth noting that this system refers to Noiseless Steganography or Nostega for short that provides a way to secure covert communications.