



(U) The Crypto-Mathematics Institute Adds Up

FROM: Joe McCloskey
President, CMI
Run Date: 06/30/2006

(U//FOUO) The Crypto-Mathematics Institute (CMI) is the oldest of the Learned Organizations at NSA. It was established by Lieutenant General John A. Samford, Director, NSA, in a memorandum dated October 1957. The CMI has been an integral part of the mathematics community at NSA ever since its inception.

(U//FOUO) The purpose of the Institute is to promote those aspects of mathematics which pertain to cryptology and to provide a focal point for the NSA mathematics community in fields of common interest. Its membership is open to anyone with an interest in mathematics, both applied and cryptologic in nature.

(U//FOUO) CMI sponsors a variety of social and scholarly events, often in conjunction with an Agency office or the Professional Health Program (PHP). Recently, on June 9, 2006, CMI and CES co-sponsored **MATHFEST**. This year's MATHFEST included eight classified talks by members of the community on a wide range of topics of current interest.

(U//FOUO) The annual CMI **Awards Banquet** was held on the evening of June 9, 2006 at Windows on the Bay Restaurant in Pasadena, Maryland and 186 attendees were present. The Institute bestows a variety of honors at the annual banquet: the CMI Teaching Award, the Essay Contest Awards, Distinguished Memberships, Distinguished Service, and the CMI President's Award. These awards taken together indicate the value that the CMI places on education, achievement, service to the community, and the written preservation of our unique cryptologic literature.

(U//FOUO) The CMI **Teaching Award** was established in 1997 to honor important teaching contributions to the mathematics community.

- Teacher of the Year, 2005: [REDACTED]

The CMI **Essay Contest** was established in 1959 to recognize outstanding written contributions to the fields of mathematics and cryptology in two categories: research and applications. (There were two winners this year for the latter.)

CMI Essay Contest Winners 2005:

- Winner, Research: [REDACTED], [REDACTED], Suneel Sundar
(U) A Tutorial on Hilbert Series
- Honorable Mention, Research: Douglas J. Shors
(C) Things that Commute with Codebooks (Especially AES)
- Winner, Applications: Art Drisko, [REDACTED]
(U//FOUO) HONESTY Pays: Three Strikes, Not Out



SERIES:

(U) Learned Orgs '06

1. [The Human Resources Management Association Gets New Lease on Life](#)
2. [Do You Enjoy Languages? Check Out the CLA](#)
3. The Crypto-Mathematics Institute Adds Up
4. [The KRYPTOS Society Is No Mystery](#)
5. [NSA's Women in Mathematics Society Continues to Thrive](#)
6. [The IAI: 35 Years and Going Strong](#)

- Winner, Applications: [REDACTED], David Tuller (TS//SI) Diagnosis and recovery of unknown line codes

(U//FOUO) The Distinguished Members form the CMI **Hall of Fame**, drawn from retirees in the extended classified mathematics community. At this year's Banquet seven Distinguished Members were in attendance: [REDACTED], [REDACTED] and [REDACTED], [REDACTED], Robert Ward, and Mike Wertheimer. With the addition of three Distinguished IAD Members this year, there are now 101 members of this esteemed group:

New Distinguished Members:

- [REDACTED],
- [REDACTED], and
- D. Jeffrey Zehe

[REDACTED]

(U//FOUO) [REDACTED] (left) receives certificate from [REDACTED], CMI President-Elect

[REDACTED]

(U//FOUO) [REDACTED]

[REDACTED]

(U//FOUO) D. Jeffrey Zehe

The **Distinguished Service Award** is made to individuals who have made significant contributions to the health of the community. This year no one received recognition in this category.

(U//FOUO) Since 1978, the CMI **President's Award** has recognized Agency mathematicians who are making important contributions to the mission of the cryptologic community through the development and application of the science of mathematical cryptology. The President's Award is given yearly to recognize the most outstanding cryptologic mathematician at the Agency.

(U//FOUO) At this year's Banquet, 16 of the previous 27 President's Award winners were present. This award represents an acknowledgement of sustained and superior career accomplishments in support of mathematics and its application. There is no greater recognition of professional stature and accomplishment in the mathematics community. It was truly a "banner night" for the Information Assurance mission, as the prestigious President's Award for 2005 was awarded to Doug Shors for his monumental work on codebooks.

- President's Award: Douglas J. Shors

[REDACTED]

(U//FOUO) Douglas J. Shors (right) receives certificate from the author, Joe McCloskey

(U//FOUO) A complete listing of CMI activities appears on the [CMI website](#) ("go cmi").

"(U//FOUO) SIDtoday articles may not be republished or reposted outside NSANet without the consent of S0121 ([DL sid comms](#))."

DYNAMIC PAGE -- HIGHEST POSSIBLE CLASSIFICATION IS
TOP SECRET // SI / TK // REL TO USA AUS CAN GBR NZL
DERIVED FROM: NSA/CSSM 1-52, DATED 08 JAN 2007 DECLASSIFY ON: 20320108