



AFCEA SAN DIEGO CHAPTER NEWSLETTER

FROM THE PRESIDENT

April was another very active month for the chapter. We learned we were awarded MODEL CHAPTER OF THE YEAR for 2006—Congratulations to the entire membership, especially the Executive Committee, Board of Directors, and Symposium volunteers. We continued to plan for this year's C4ISR Symposium. The speaker lineup is impressive, the government attendance numbers are exceeding expectations, and industry sponsorship is providing substantial revenue to fund the event as well as our Education Foundation. The foundation and several others were also award winners this month. Please read the rest of the newsletter to learn more. We will also announce this year's Buck Bragunier Leadership Scholar and AFCEA's annual Lockheed Martin undergraduate and graduate scholarship award winners at the symposium.

The search committee proposed, and the board of directors approved, a new executive committee slate for your consideration. The current executive committee led your chapter in an exemplary manner this year. Each of them brought to us everything the chapter needed and more. I am grateful for their efforts. The new slate of officers will enjoy the opportunity to make the incremental improvements that will continue our growth and effectiveness in meeting our goals and objectives. Please plan to attend the June luncheon to make your vote heard.

We engaged with NDIA on an important initiative this month. The AFCEA / NDIA team will be working with PEO C4I to help him "be a better buyer of C4I." We held our kickoff meeting on May 2nd, and we will be continuing the process over the next several weeks. Our goal is to improve the processes through which Team SPAWAR procures our products and services, believing this will improve the C4I product line.

Now, please look at the rest of the newsletter. You'll read about April's AFCEAN of the month and other pertinent information from our executive committee. Thank you for your continued support.

The Best to You,

Charlie Hopkins

Charlie Hopkins / General Dynamics IT / 619-944-2786 / charlie.hopkins@gdit.com

AFCEAN OF THE MONTH

This month we're very fortunate to welcome Amber Victor of VictorDev, LLC to our Executive Committee. Amber was gracious enough to volunteer her considerable talents to the recently vacated Information Technology Committee Chair position, and immediately resolved all our outstanding IT issues in just a couple of days! She designed and implemented cleaner layouts and improved functionality, and fixed our online luncheon registration tool. Amber has made it a priority to update information on our SPAWAR – AFCEA C4ISR Symposium site as soon as changes to speakers, sponsors, exhibitors, and volunteers

[Continued on page 2]





are provided by the Programs, Operations, and other Committees and Chairs. She identified, and her company VictorDev now hosts, an on-line action item management tool, used by dozens of symposium volunteers working to make next month's event the best ever. The web site is now where everyone goes for the most accurate and complete information.

Computers have long been an important part of Amber's life, writing her first computer programs at the tender age of eight. Amber has supported various projects for the Department of Defense over the past six years, both as a technical consultant and software engineer. Our Executive Committee was so impressed

by her skills and commitment that we honored her with AFCEAN of the Month. Receiving such an award in the first month of membership is one for our record books. Welcome aboard Amber!

THIS MONTH'S AWARDS

AWARD FOR EXCELLENCE

Mr. Jose Valladares, Head of the Strategic Network Systems Branch for SPAWAR Systems Center San Diego, was nominated for the **AFCEA AWARD FOR EXCELLENCE IN INFORMATION TECHNOLOGY**. This award recognizes:

- Significant accomplishments in IT which advance the agency/department/organization mission, or which benefit the public in general;
- Specific accomplishments in policy, planning, management, or implementation of IT in communications, electronics, intelligence or information systems;
- Noteworthy achievements in programs impacting national strategies and international relations;
- Furthering the exchange of knowledge about computers and IT between the defense and nondefense government communities; and
- A career of service reflecting a strong commitment to IT

Congratulations and good luck to Jose!

SAN DIEGO CHAPTER WINS AGAIN!

AFCEA San Diego has been unanimously selected for the second consecutive year by the AFCEA Educational Foundation Board of Directors to be one of two chapters to receive this year's Award for the Use of Information Technology in Education. The Board was impressed with the chapter's continued success with local educational outreach including the Robotics Clubs initiative as well as the overall

[Continued on page 3]

impact of the chapter's education partnerships within the San Diego City and County School Districts. Well Done!

MR. MOHAN KRISHNAN

Mr. Mohan Krishnan was presented an award in recognition of his distinguished service to education for the AFCEA San Diego Chapter. The AFCEA Educational Foundation Board of Directors unanimously decided that he be recognized because of his dedication and commitment to educational endeavors. Congratulations to Mohan for this well-deserved award.

DISTINGUISHED PERFORMANCE AWARD

Pat Kelly presented the 2007 Award for Distinguished Performance to Midshipman Tyler E. Netherland on Behalf of the AFCEA Education Foundation on Friday, 27 April 2007 at the ROTC Pass in Review, University of San Diego Torrero Stadium.



Tyler, and Pat Kelly

EDUCATION

2007 SAN DIEGO SCIENCE & ENGINEERING FAIR

AFCEA awards major prizes at the 2007 San Diego Science & Engineering Fair

AFCEA-SD is a major participant at the local Greater San Diego Science and Engineering Fair (GSDSEF) held annually. In the Middle School category, we select 10 students as finalists who receive a one year family membership to the Aerospace museum and exhibit their projects at both the C4I symposium and a special recognition reception.

At the reception, awardees also make a five minute presentation on their project to invited judges and the audience (parents, teachers, friends). At least one student is selected as the grand prize winner to receive a one week all expense paid trip to the NASA space camp in Alabama. In the High School category, we select at least 4 finalists to present their projects at the C4I symposium and are given awards of \$750 each. Also, one grand prize winner is selected and given an additional award of \$2,000 and he/she becomes the AFCEA-SD nominee for the AFCEA International Science Fair competition.

[Continued on page 4]

If the AFCEA-SD nominee wins the International competition, he/she and family receive an all expense paid trip to the Transformation Warfare Symposium and Exposition in Virginia Beach to receive a cash award of \$1,000. The AFCEA-SD nominee last year won this International award and our previous year nominee received the runner-up award.

This year's Junior and Senior Winners are:

Ralph Sathre (7) - Does J-Weld Have a Usable Strength in Space?

Keegan Mann (8) - Pseudo-Random Numbers

Alexio Barbara (8) - How Do I Make A Stronger Electromagnet?

Oriana Di Fede (8) - What Are The Effects of Wind Resonance on Structures?

Tim Enslow (7) - Can Flashlight Bulb Energy be Reclaimed?

Bryanna Paulson (8) - Got the Blues? Investigating Interference between Bluetooth Devices

Duncan Swain (8) - Using Lenses to Improve Solar Panel Output

Kelvin Do (8) - Picture Perfect

Foster Collins (7) - Urban Solar Electric Panel Steering Tests & Proposed New Design

Brendan Mitchell (8) - Which Performs Better in Flight: Paper or Metal?

Tanooj Luthra (10) - New Digital Image Compression to Increase Storage Capacity of Cameras

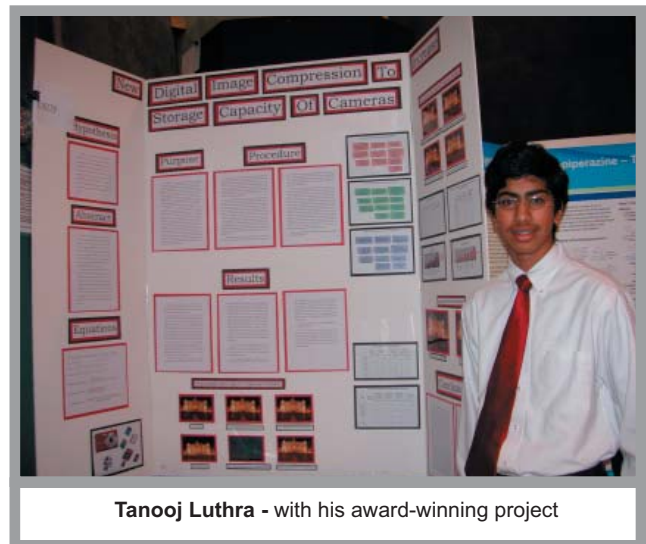
Sheta Chatterjee (9) - Remote Home Monitoring and Multimedia Entertainment

Rafael Send (11) - PSTN Remote Control with Data Feedback and Possible Worldwide Expansion

Gregory Hirshman (12) - Differential Cryptanalysis of MDS: Unscrambling the Hash Bit by Bit



Greg Hirshman - AFCEA grand prize winner, with his project on Cryptography



Tanooj Luthra - with his award-winning project

TNS PROGRAM VOLUNTEERS INSTALL COMPUTERS AT ELEMENTARY SCHOOL

Several volunteers from the Technology Needed by Schools (TNS) program installed over 30 computers donated by the San Diego Futures Foundation at Silver Wing Elementary School on Saturday, April 14. This effort was undertaken under Terry McKearney's leadership as he saw a need to setup the school's computer lab. They met at the school at 8:00 am and because of their efficiency and experience, could assemble and configure all the machines before lunch-time. The pictures show some of the AFCEA volunteers in action.



EDCOMM RECEIVES \$13,800 IN GRANTS FROM AFCEA INTERNATIONAL

AFCEA International Education Foundation has granted our local chapter grants worth \$13,800 to support the following local educational initiatives:

- \$5,000 to continue support of two local robotics clubs
- \$4,800 to support three additional weather stations at local schools
- \$2,000 to support two ITEA programs
- \$2,000 to provide additional science teaching tools for teachers.

Over the years, our local chapter has been garnering a significant amount of money (21%) from the total AFCEA budget allocated for chapter initiatives. Kudos to our Education committee for supporting the local community in furthering the interest in Science and Engineering.

AFCEA SUPPORTS LOCAL SCHOOL ROBOTICS TEAMS

Last year AFCEA-SD brought in a local Robotics group called First Robotics Club to present their sophisticated Robots and presented them with a sponsorship to support local high school and college



Dave Massey displaying Robots built from Lego sets

robotic clubs. This group catered to the more advanced students in San Diego. This year, during the April luncheon, AFCEA brought in another robotics club called "The Botball Club". This group caters to the beginner level students that are just starting robotic clubs in elementary, middle and high schools. Our featured speaker was Dave Massey, who has taught Math and Science in the Santee School District since 1974. He has also served as a science resource teacher for the Santee School District from 2000 – 2004, and also worked for the San Diego County Office of Education. Dave became involved in robotics in the mid 90's and has involved students in after school robotics clubs and the SDCOE's MAST academy's Botball teams. Dave gave a very lively presentation and displayed robots made by his students using Lego sets and parts obtained from hobby and electronic stores.

SPECIAL THANKS TO SHIRLEY ADAMS

Ms. Shirley Adams was presented a Space and Naval Warfare Systems Command Letter of Appreciation for donating numerous hours of her valuable time to establish the Small Business Training Track at the AFCEA/USNI WEST 2007, providing an exceptionally worthwhile service to the San Diego small business community supporting Team SPAWAR. Congratulations Shirley.

LUNCHEON UPDATES

Our next scheduled monthly luncheon will June 19th.

There is no monthly luncheon in May due to the C4ISR Symposium, May 21-24. Online registration is open to anyone who would like to sign up for the Annual Monthly luncheons, which will cover June 2007 through May 2008. Online registration for June will not be available until after the C4ISR Symposium.

If you have questions regarding the monthly luncheons or registration please email **Reggie Veit** at luncheon-response@afcea-sd.org

COMMITTEE CHAIRS

EXECUTIVE CHAIRS

President

Charlie Hopkins

General Dynamics IT
hopkinsck@earthlink.net

Executive Vice President

Mohan Krishnan

SoftComm
mohan@softcommm.com

VP Programs

Dick Akita

Syzygy
akitad@adelphia.net

VP Education

Patrick Kelly

Sonalysts, Inc
prkelly@sonalysts.com

VP Publicity

Kelly Nugent

New Horizons Computer Learning Center
publicity@afcea-sd.org

VP Membership

John Melear

BAE Systems
membership@afcea-sd.org

VP Small Business Committee

Shirley Adams

L-3 Communications
shirley.adams@l-3com.com

Secretary

Peter Opsal

Northrop Grumman Mission Systems
secretary@afcea.org

Treasurer

Aynn McGuire

Armed Forces Bank of California
treasurer@afcea.org

VP Symposium

Joe Bulger

Lockheed Martin MS2
jbulger@roadrunner.com

BOARD CHAIRS

Information Technology Committee Chair

Amber Victor

VictorDev, LLC
webmaster@afcea-sd.org

Vice President, Young AFCEAN

Andrea Houck

Wyle Labs
andrea.houck@wylelabs.com

Reservations, Luncheon Info

Reggie Veit

Harris
luncheon-response@afcea-sd.org

* Please send any comments, corrections, or recommendations concerning the newsletter to mayercine@aol.com

MARK YOUR CALENDAR

JUNE 2007

Navy League Breakfast

June 1, 2007
Adm Baker Clubhouse
7:00-8:30 a.m.

Navy League Golf Tournament

June 1, 2007
Adm Baker Golf Club
12:00 p.m.

4th Annual Security Summit

June 6-7, 2007
San Diego Aerospace Museum
8:00 a.m.-5:00 p.m.

2nd Annual IETA Golf Tournament

June 7, 2007
River Walk Golf Course
8:00 a.m.-12:00 p.m.

NDIA Board meeting

June 12, 2007
Bahia hotel
7:00-9:00 a.m.

SDSDC Monthly Lunch Mtg (pre-register at sdsdc.org)

June 12, 2007
Handlery Hotel,
11:30 a.m. -1:00 p.m.

NDIA Monthly Luncheons

June 13, 2007
Bahia Resort,
11:30 a.m. -1:00 p.m.

Monthly AFCEA Luncheon

June 19, 2007
Four Points Sheraton
11:30 a.m.-1:00 p.m.

SDMAC Breakfast

June 20, 2007
Adm Kidd Conference Center
7:30-9:00 a.m.

ASYMCA "The Christmas You Missed"

June 25, 2007
TBD
TBD

SD Chamber of Commerce Small Business Awards Luncheon

June 28, 2007
San Diego Marriott Hotel & Marina
9:00 a.m.-1:30 p.m.