

# CFT NEWS

Newsletter of the Division of Engineering Technologies and Computer Sciences at Essex County College



### Inside this issue:

News Brief	2
Faculty News	3
ABET Re-Accreditation Process Under Way	3
73 CFT Students Graduate in 2003-2004 Academic Year	4

### Professor Charles Jones was a Mainstay of the Computer Science Department

The Division, as well as the entire ECC community, mourns the passing of Dr. Charles Jones, professor of Computer Science at Essex County College. Prof. Jones passed away on July 11, 2004. He was 53 years of age.

Prof. Jones taught at Essex County College from 1982 to 2004. He started his relationship with ECC as a student in 1977 and soon earned two Associate degrees, one in Business Computer Programming in 1979 and one in Scientific Computer Programming in 1980. While completing his BS at Kean College, he was employed by the CIS Department at ECC as Coordinator of the Computer Laboratories. He did an excellent job of managing a full array of computer resources while displaying an obvious talent for providing students with clear explanations of complex processes.

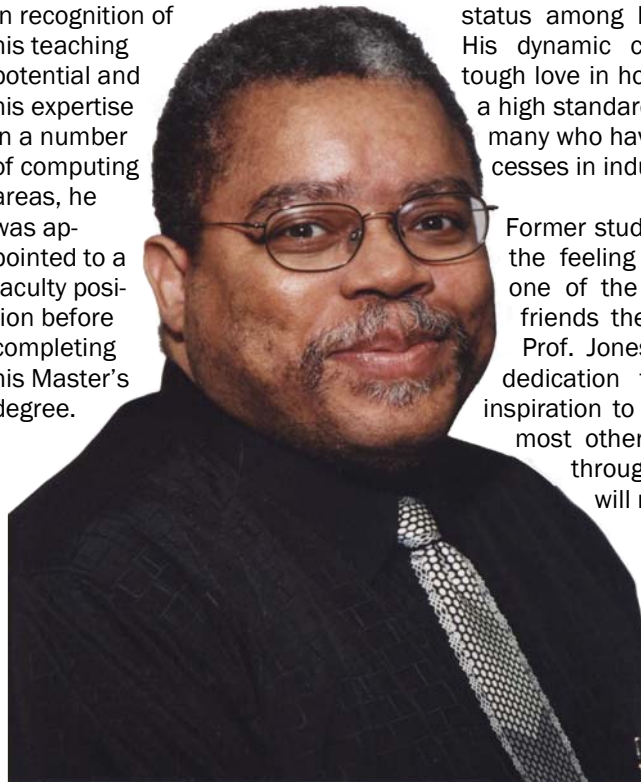
In recognition of his teaching potential and his expertise in a number of computing areas, he was appointed to a faculty position before completing his Master's degree.

Prof. Jones went on to earn his Master's degree from Jersey City State College in 1986 and then his Ph. D. in Computer Science from Southwest University in New Orleans in 1994. His doctoral dissertation topic was Cyber Terrorism and its Impact on Network Infrastructures, a topic of extreme relevance today. More recently, he earned a number of certifications in Cisco and Microsoft networking.

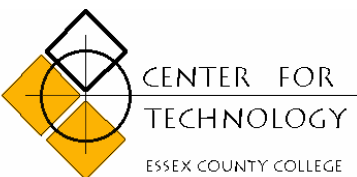
At ECC, Prof. Jones devoted an extraordinary amount of energy and dedication to the advancement of the college and the Computer Science Department. He developed fourteen new courses and two certificate programs and authored grants that brought about \$1 M to the Computer Science Department. He served on committees, worked on recruitment activities and faculty workshops, but it was his teaching that has earned him legendary status among his former students. His dynamic classroom style and tough love in holding his students to a high standard was appreciated by many who have gone on to be successes in industry.

Former students have expressed the feeling that they have lost one of the finest mentors and friends they have ever known.

Prof. Jones leaves a legacy of dedication to the college and inspiration to his students beyond most others who have passed through our Division. He will not be forgotten.



Prof. Charles Jones  
Picture taken Feb. 2004



# CFT NEWS

**Editor & Production:** Prof. Rosa D. Otero

**Committee:** Prof. Mark Galit  
Prof. Rosa Otero  
Prof. Ned Wilson  
Prof. Jianping Yue  
Prof. Veronica Zhang

**Division Chairman:**  
Prof. John Gribbin

**Engineering Technologies & Computer  
Sciences Division:**

#### Faculty

Prof. Theo Acquaye –  
Mechanical Engineering  
Prof. Hussein Assadipour – Engineering  
Prof. Mark Galit – Computer Science  
Prof. John Gribbin – Civil Construction  
Prof. Rosa Otero – Architecture  
Prof. Mustapha Sandi – Civil Construction  
Prof. Karen Scuorzo – Computer Science  
Prof. Alvin Williams – Computer Science  
Prof. Ned Wilson – Computer Science  
Prof. Jianping Yue – Mechanical Engineering  
Prof. Veronica Zhang – Computer Science  
Prof. Bernard Zivotofsky –  
Electronic Engineering

#### Staff

Ms. Kelly Coley – Office Manager  
Ms. Staci Outerbridge – Lab Coordinator

CFT Phone 973-877-4400

Essex County College  
[www.essex.edu](http://www.essex.edu)

## News Brief

### STUDENT PARTICIPATES IN INTERNSHIP

One of the CET students, Paula Montoya, was accepted in an internship program offered by the Township of Montclair Engineering Department. Ms. Montoya worked as an engineering technician performing inspections of street construction projects, engineering survey and data collection as required. The internship, which ran for twelve weeks, paid a salary of \$12 per hour. Ms. Montoya registered for a co-op education course, CEE 298 CE1, in connection with the internship.

### CFT STUDENTS EARN SCHOLARSHIPS

Several CFT students received scholarships to help further their college education during the 2003-04 academic year. Three CET students won scholarships from the Construction Industry Advancement Program of New Jersey (CIAP). They are Jean David Lochard, \$1,000, Paula Montoya, \$1,500, and Ramazan Uzulmez, \$1,000. Bruce Boucard (*Computer Science*) and John Manga-Williams (*Engineering*) were the winners of the ETCS Division scholarship and received \$500.00 each. Also, James Bencivenga (*Civil Construction*) won a Construction Roundtable scholarship and received \$2,500.

### NEW ARCHITECTURAL TECHNOLOGY EXPERIMENTAL COURSES

During the academic year 2004-2005, students enrolled in the Architectural Technology program will be able to register in a new experimental course Architectural Graphics (ARC 103). It is a new course which takes the place of Engineering Graphics (ENR 103) and Applied Computer Aided Design (ENR 105) in this program. The creation of a course of this nature represents an increase in the transferable credits to institutions such as NJIT and NYIT. In addition, the two existing three-credit Construction Methods courses (ARC 131 and ARC 132) have been consolidated into one experimental four-credit course (ARC 231). Proposals for the permanent creation and inclusion of these courses into the program are being currently prepared by Professor Rosa Otero. These are the result of some major transformations occurring in the program.

### MESA CENTER TO OPEN IN CFT

The Division was awarded a grant from Hewlett-Packard to establish a MESA Center in the CFT. MESA (Mathematics, Engineering, Science Achievement) is a nationally known academic preparation program that helps students excel in math and science and graduate with degrees in math-based fields. The MESA Center will be housed in Room T233 in the CFT and will begin operating in Fall 2004.

The grant, called the "Diversity in Engineering Initiative," will provide computer hardware with a value of \$60,000 as well as support for the MESA Center. Students who join the Center will derive many academic advantages including a personal academic three-year plan, tutoring, counseling, workshops and a place to go to study with other students or to work in the mini computer lab provided. The Center will also provide students with the opportunity to join established student organizations such as the National Society of Black Engineers and the Society of Hispanic Professional Engineers. Interested students should contact the Director, Prof. Mustapha Sandi, in Room T223.

### ENERGY UTILITY TECHNOLOGY PROGRAM BEGINS SECOND YEAR

Last year, Essex County College developed, in partnership with Public Service Electric & Gas Co. (PSE&G), a new A.A.S. degree program titled "Energy Utility Technology." A cohort of sixteen students began the program and are now well on their way toward their degrees and probable jobs at PSE&G.

Starting in Fall 2004, a new cohort of students will begin the program. The first core course, UTI 101 Introduction to the Energy Utility Industry, will be offered in September. The course will take place at the PSE&G Training Center in Edison on Fridays from 7:30 am to 3:30 pm. The follow-up core courses will be offered in Spring 2005. Interested students should inquire at the CFT to find out how to get started in the program. Call 973-877-

## Faculty News

### PROJECT GRAD

During the summer, Prof. Mustapha Sandi co-directed the Project GRAD Summer Institute for high school students from Central and Malcolm X Shabazz High School along Prof. Eunice Kamunge of the Biology and Chemistry Division. Two of the classes the students participated in were in Web-page design. The students used **Front-Page** to develop the site. Links to the site are available on Prof. Sandi's web page. [faculty.essex.edu/~sandi](http://faculty.essex.edu/~sandi)

Project GRAD Newark is a partnership with 16 Newark Public Schools and colleges such as ECC and Rutgers. This collaborative effort between schools, community, business and higher education is intended to address the educational needs of Newark Public School students. Project GRAD Newark requires each student to attend two Summer Institutes which may be taken after the freshman, sophomore or junior year of high school. Essex County College offered academic enrichment to 40 freshmen and 40 sophomores from Malcolm X Shabazz and Central High Schools.

### PROF. MUSTAPHA SANDI JOINS DIVISION

Prof. Mustapha Sandi, formerly of the Math & Physics Division, has moved to the Engineering Technologies & Computer Sciences Division. Prof. Sandi, who recently earned a Masters degree in Civil Engineering from NJIT, will be the coordinator of the Civil Construction Engineering Technology (CET) program. He will also be the director of the new MESA Center in the CFT. His office is located in Room T223.

Prof. Sandi is an alumnus of Essex County College where he was Student Leader of the Year in 1993. After receiving his Bachelor's degree and working as a construction manager for three years, he returned to Essex County College where he has taught math and other courses for the past five years. His activities in the ECC community include Project GRAD (co-director), liaison with Brookhaven National Laboratory for the Community College Institute and corresponding secretary for the Faculty Association. His construction manager experience was at H.A.N.D.S. Inc., a non-profit development corporation specializing in housing in the Orange-West Orange area.

Prof. Sandi promises to be a valuable asset to the Division. We welcome him whole heartedly and wish him success in his new position.



Prof. Mustapha Sandi

### ABET Re-Accreditation Process Under Way

The Engineering Technologies & Computer Sciences (ETCS) Division submitted Self Study reports for three degree programs to the Accreditation Board for Engineering and Technology (ABET) to start the process for re-accreditation. The self studies were prepared by a committee comprised of Profs. Theo Acquaye, Hossein Assadipour, Bernard Zivotofsky and John Gribbin. Two of the programs, Civil Construction Engineering Technology (CET) and Manufacturing Engineering Technology (MET), were accredited by ABET in 1998. The third program, Electronic Engineering Technology (EET), is applying for accreditation for the first time. ABET is the sole agency in the United States responsible for accreditation of educational programs leading to associate and baccalaureate degrees in engineering technology.

The application for CET re-accreditation includes the Land Surveying Option and the application for MET re-accreditation includes the Mechanical Engineering Technology Option.

The re-accreditation process continues in November 2004 with an on-site visit by a team from the Technology Accreditation Commission (TAC) of ABET which will file a report with recommendations to the officers of ABET leading ultimately to an action on re-accreditation. The decision will be issued by TAC of ABET in summer 2005.

## 73 CFT Students Graduate In 2003-04 Academic Year



*These students persevered through several semesters of academics combined in many cases with the rigors of full time employment and other responsibilities and their hard work paid off. We extend our congratulations to them and wish them success in their further education and in their careers.*

When Essex County College held its thirty-fifth annual commencement on June 6, 2004, students in the Engineering Technologies & Computer Sciences Division proudly went to the podium to receive their degrees and certificates. Others received degrees and certificates in August and December 2003 for a total of 73 students. Following is a list of those students.

### **Applied Computer Science AS:**

Natacha Sajous, Edlor Desormes, Sasa Palavestra

### **Architectural Technology AAS:**

Rodgers Akombe, Jair Alava, Tu Bui, Carla Coreas, Jean Davilus, Weston Leander, Jason Galloway, Andrew-Marc Scarlett

### **Civil Const. Engr. Tech. AAS:**

Jazmin Rivera, Andy Alleyne, John Matrona

### **Computer Information Systems AS:**

Sunday Adeyemi, Jodimir Dasilva, Henok Bantiwalu, Wakeyshia Hampson, Hind Iddrisu, Wanfen Luo, Charles Ndegwa, Monica Ocana, Osbaldo Sandoval

### **Computer Science AS:**

Funmilayo Akinbobola, Clifford Allen, Eduardo Andrade, Serhat Atli, Karim Boumia, Emre Igin, Ronald Layme, Gina Marotta, Patricia Pasquel, Wijhehar Pawanachandra, Ahlonko Sanvee, Nicodette St. Louis, BigVai Volcy, Bruce Boucard, Kenekukwu Emmanuel, Lailatu Jallo, Emir Accilien, Olajide Akintomide, Komi Akli

### **Electronic Engineering Technology AAS:**

Wayne Carter, Erkan Cinaz, Rice Masongo, Sameer Wadhawan, Collin Walters, Messan Agbobi, John Corleone, Zewdu Derso, Jasenko Dropic, Girus Eshetea, Rashad McCaster, Samuel Mendes, Alexander Montoya, Kevin Moulton, Arturo Orozco

### **Engineering AS:**

Shirley Caero, Leyo Alava, Paul Awinde, Jorge Granda, Cesar Jaramillo, John Manga-Williams, Kuntalkumar Patel, Kevin Prasad, Carlos Rubino, Sharon Thigpen, Kyanna Varlack

### **Manufacturing Engineering Tech AS:**

Lloydton Watson, Kodjo Agbenouwope, Jason Longaray, Rene Morales

### **Mechanical Engineering Tech AS:**

Carlos Morales

## CISCO

### **CCNA Certification In 15 weeks!**

The Division is offering the four Cisco core courses in a compressed schedule that will allow the student to take all four courses in one semester. The courses are part of the Internet-working Technology Certificate program. After completing the four courses, you will be able to sit for the CCNA certification exam.

For information, contact Prof. Alvin Williams at 973-877-3243.

## SCHOLARSHIPS AND INTERNSHIPS

Scholarships and Internships are Available Through the Division

**Don't Pass Up This Opportunity for Money and Experience**

Contact Prof. Gribbin

## 5th ANNUAL CAD CONTEST ECC - Center for Technology

**Make a CAD Drawing  
Win a Prize**

For information contact: Prof. Acquaye, Prof. Assadipour, or Prof. Yue