Welcome back to a brand new year in the College of Technology at Wilmington University. I hope you had a wonderful summer.

We have had a busy summer as College of Technology Faculty have been preparing new courses, adjusting programs and purchasing equipment. We also have a new name...College of Technology. Formerly iTAC, our name change took effect on June 1st as the six divisions of the University became Colleges, reflecting the growth and character of Wilmington University. We have also welcomed new full-time faculty member Scott Shaw. Scott will be working in the area of Multimedia Design. Below are some other changes we have been working on:

- **Computer Network Security** – Program Coordinator Mark Hufe and Faculty members David Houser, Chris Shanahan and Anthony Carcillo, have been working on the mapping of the CNS curriculum to standards of the National Security Agency. The alignment to standards 4011 and 4013 should be completed soon. Mr. Hufe is also coordinating our efforts in the [U.S. Cyber Challenge](#) which is a national effort aimed at increasing awareness of Cyber Security and the need to train additional professionals to work in this crucial field. Delaware is one of three states piloting the effort which is being coordinated by the Department of Homeland Security.

- **Information Resource Management** – We have been working on revamping this curriculum and have met with our Advisory Committee and a Student Focus Group and also employed a survey. A draft curriculum was developed based on the input and reviewed by Adjunct Faculty on August 13th. The program will change direction in the future as we are looking at “business driven strategy, business intelligence and data warehousing.” The process has several more steps and the proposal is still being reviewed. We will keep you informed of the progress.

- **Multimedia Design** – Faculty member Scott Shaw is working on the development of a program for Game design and development which will include both recreational and industrial/professional applications (i.e. training, simulation, etc...).

- **Studio Production** – A “steady cam vest” and new high-quality digital camcorder were purchased along with camera mounts for attaching a camera to a vehicle. The new equipment will be available for classroom use in the fall. Program Coordinator Geoffrey Olive is also working on digital upgrades for our studio in the People’s Library Building. Adjunct Faculty member Joel Tau spearheaded an effort to partner with the Wilmington Drama League to use their facility as a “lab” for our drama students. We want to thank the Wilmington Drama League and Mr. Tau for their efforts toward enhancing our Drama students’ learning experience.

- Did you know that the College of Technology has [Facebook](#), [MySpace](#), and [Twitter](#) pages?

We will keep you informed in future newsletters and on the social networking sites as to the progress of program changes and the development of the Gaming curriculum.

Finally, I plan to hold evening office hours during the fall semester. The schedule is included in this newsletter and is also posted in our computer labs. I look forward to seeing you in the fall. This promises to be an exciting new year!
Faculty Spotlight — Nancy McDonald

In this issue, we are highlighting Adjunct Faculty member Nancy McDonald. Nancy has an extensive professional background and is an integral part of the College of Technology Team. Nancy earned a Bachelor of Science degree in Math from Clarkson University and holds an MBA degree from Widener University, which she earned while working full time at DuPont.

During her 24 year career at DuPont, Nancy held a variety of Information Systems positions, starting as a programmer working on customer service, supply chain, accounting, and sales systems. It was during that time that she discovered that she liked teaching when she led a team that developed a standard programming environment for 600 programmers at DuPont, who had to be trained in the new technology.

Later, when DuPont built one of the largest data centers on the East Coast, Nancy was responsible for the data networking and telecommunications operations. After that, she worked on enterprise architecture as part of the Corporate Information Systems Planning group. She was also a manager in the Corporate Data Management organization when data warehousing was just beginning to become a hot topic. Her last two assignments at DuPont were as head of Information Systems for two different global business units: Printing and Publishing, a $1.5 billion business, and Engineering Polymers, a $2.2 billion business with 27 manufacturing locations in 19 countries. After DuPont, Nancy worked at Accenture for 8 years where she was a Senior Executive with global outsourcing responsibilities. At Accenture, she led the team that built DuPont’s largest eCommerce application, DuPont Direct. She also conducted 30 eBusiness strategy workshops for 380 business executives. Her last assignment involved the knowledge transfer of 375 applications from a Pharmaceuticals company to 200 Accenture systems support personnel in the US, Brazil, and the Philippines. At the time, it was one of the largest distance learning projects ever undertaken by Accenture.

When asked about her passion for technology, Nancy commented, “What I like best is applying information systems to address business challenges. There is always something new to learn -- a new technology or a new area of the business in which to apply information systems.”

In 2006, Nancy joined Wilmington University, sharing her considerable talents with College of Technology students. She teaches seven different courses in Information Resource Management, Web Information Systems, and Management Information Systems. She recently developed the distance learning course for Advanced Database Design and is also a member of the team working on the development of the new Information Resource Management Program. College of Technology Dean Ed Guthrie selected Nancy for this term’s newsletter noting, “Nancy’s experience, insight, and focus on students, is an excellent example of the caliber of our faculty.

“\(\text{What I like best is applying}\)\(\text{information systems to address}\)\(\text{business challenges. There is always something new to learn -- a new technology or a new area of the business in which to apply information systems.}\)\) – Nancy McDonald

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**EVENING DEAN’S HOURS**

College of Technology Dean, Dr. Ed Guthrie, will be available from 5:00-7:30pm for faculty and students as indicated below:

<table>
<thead>
<tr>
<th>Date</th>
<th>Campus</th>
<th>Building/location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, September 17, 2009</td>
<td>Graduate Center</td>
<td>Ask for me at the front desk</td>
</tr>
<tr>
<td>Wednesday, September 23, 2009</td>
<td>New Castle</td>
<td>People’s Building – Technology office area, room 006</td>
</tr>
<tr>
<td>Tuesday, September 29, 2009</td>
<td>Dover</td>
<td>Building B – ask for me at the front desk</td>
</tr>
<tr>
<td>Thursday, October 8, 2009</td>
<td>New Castle</td>
<td>People’s Building – Technology office area, room 006</td>
</tr>
<tr>
<td>Tuesday, October 13, 2009</td>
<td>New Castle</td>
<td>People’s Building – Technology office area, room 006</td>
</tr>
</tbody>
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In this issue, our student spotlight shines on Computer and Network Security (CNS) major, Michael Escobar. Michael is a System Administrator for Hosting.com, formerly HostMySite.com, which has three Datacenters in Newark with over 3,000 physical servers. He is currently part of their Storage and Virtualization team, managing over 500 terabytes (TB) of Storage Area Network (SAN) space and a few hundred virtual servers. On any given day, Michael deals with many facets of security including Virtual Local Area Networks (VLAN), firewalls, caged datacenter areas, and User Permissions.

A full workload notwithstanding, Michael has been attending Wilmington University since the fall of 2007 and is currently in his third year in the Computer and Network Security program. He is a member of the College of Technology’s New Castle team competing in the DC3 Digital Forensics Challenge, which is sponsored by the Department of Defense Cyber Crimes Center. That’s not all. Michael was also invited to speak at the recent CNS Student Reception at the New Castle campus where he demonstrated a security attack as part of his presentation.

Dean Guthrie commends Michael’s dedication stating, “His participation and contributions reflect the dedication and quality of the students involved in College of Technology programs.” CNS Program Coordinator Mark Hufe agrees and adds, “Michael is one of our biggest success stories!”

We are currently working on revising the Information Resource Management Program and changing its direction to keep up with industry demands. Changes will include a focus on Business Process, Business Driven Strategy, Data Warehousing and Business Intelligence. The final recommendations for change are still under review; if approved, they will be implemented in the fall of 2010.

In addition, faculty member Scott Shaw is developing a new program involving gaming and animation. This will include the training and simulation concepts as well as the recreational applications. A student focus group meeting will be held on September 22, 2009.

Stay tuned....
**Real-World Experience**
Studio Production junior or senior students can get valuable, real-world experience as part of a production team. Production Assistants (camera operator, floor director, non-linear editing, etc.) are needed for the cable TV show “Youth in Sports” which is produced weekly at the New Castle campus. Interested students are invited to submit resumes for consideration for the fall production team. For further details contact: geoffrey.c.olive@wilmu.edu

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**Preparing for an Internship?**
Visit College of Technology Internships to learn procedures and download forms.

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**FilmMakers**
Check out “What’s the Dif” - Delaware’s premiere networking group for the serious filmmaker!
www.whatsthemdif.net

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**TECH BYTES**
What makes for a powerful password? Just follow these basic suggestions:

1) **Avoid common names**, dates, phone numbers or things easily associated with you.
2) **Avoid common words** or phrases as they would be the first thing checked by password cracking software.
3) **Use a combination of numbers and letters**. For example, substitute numbers for letters and letters for numbers in a word or phrase.
4) **Don’t use naturally occurring keyboard sequences** (like “qwerty” for example)
5) **Try to make it at least 8 - 16 characters long**...the longer the better.
6) **Plan on changing your password often**. Experts suggest changing your passwords at least every 6 months.

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**Faculty/Staff Directory**

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