

CEAS GRADUATE PROGRAMS & RESEARCH NEWSLETTER

July 2002 Volume 1, Issue 3

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Developing A Statewide Cybersecurity Program

By Dan Djuplin

Educators, industry leaders, and government representatives will come together in Milwaukee next month to discuss our nation's need to improve and expand training in data security and information assurance.

Cybersecurity is a topic of growing concern with applications in many fields. Professors from all disciplines are encouraged to attend.

Randall Ryder, UWM Professor and Director of the Center for Education Research, Analysis, and Innovation, will discuss the latest thinking in teaching technical material. He says that participants will acquire knowledge of learning strategies and curricular design constructs that will facilitate the learning of issues related to cybersecurity.

Ryder's session will place emphasis on learning strategies that allow the student to recognize meaningful patterns of information. This method involves creating conceptual modules with major concepts that the student can recognize, relate, retrieve, and apply to problem-based contexts.

The keynote speaker for the Cybersecurity Symposium is William V. Maconachy of the National Security Agency. As the manager of the

National INFOSEC Education and Training Program, Maconachy will focus on the state of information assurance and current issues of cybersecurity.

One of the top training facilities for military cybersecurity specialists (Black Berets) is located at Fort McCoy in Wisconsin. The director of this program will be presenting the operational security levels appropriate for training in both academic and private sector settings.

Wisconsin is seizing the initiative to create a cybersecurity program that will produce top specialists in this area.

This program will be integrated throughout the UW System and include K-12, other academic institutions, state government, and industry.

UW-Milwaukee is leading the development of this statewide cybersecurity program, and has begun applying for funding opportunities.

With increased awareness of the importance of cybersecurity to protect the nation's information, technology, and other resources, the government has realized the lack of preparedness in this area and has begun to set

see *Cybersecurity*, page 3

Easier Editing Electronically In Microsoft Word

By Dan Djuplin

To avoid having to review handwritten proofreader's marks on your hardcopy manuscripts, and then type in all the changes manually, you can learn to use *Track Changes*. This Microsoft Word feature is an ideal tool for editing electronic files and then accepting or rejecting the suggested changes quickly.

To use the following information, you will need to be able to produce your documents in Microsoft Word, and save them either to a disc or email them as an attachment. This advice focuses on reviewing your files after they have been edited. If you would like to use *Track Changes* to do your own electronic editing, go to the complete set of instructions online at www.uwm.edu/~lricci/edit/track.html.

Begin by opening the edited file that was returned to you. The document will contain three different types of

marks, representing suggested changes (Fig. 1).

Line-through text (A) represents the editor's suggestion to delete text. Underlined text (B) represents new text added by the editor. Highlighted text (C) means that the editor has inserted a comment. To read the comments in a small pop-up box (D), place your cursor over the highlighted words.

Different colors represent each editor who has suggested changes to the file. If you would like to continue editing your document, your changes will also appear in another color. After all changes have been made to the file, you may want to click on *Tools* → *Track Changes* → *Highlight Changes* and then deselect *Track changes while editing* to stop making new editing marks.

To begin going through each edit, right click the mouse while the cursor is over an edited portion of text. A

pop-up box will open, giving you the option to either accept the suggested revision, or reject it, leaving your copy in its original form.

To delete a highlight, move your cursor over it, right click, and choose *Delete Comment*.

You may also go through each suggestion in order by clicking *Tools* → *Track Changes* → *Accept or Reject Changes* on the toolbar. In the window that appears, you will be able to go through each suggestion, or you can accept or reject all of the changes at once.

Using *Track Changes* not only allows you to avoid handwritten proofreader's marks, but also helps to make sure that you do not miss any of an editor's suggested changes. CEAS faculty using this feature appreciate its ease of use.

We Want Your Input

Do you have an idea for a CEAS Newsletter article? Is there a computer tool or program that you would like to know more about?

Possible topics include:

Researching solicitations online

Advanced email features

Using the Golda Meir Library online resources

Tips on Adobe Photoshop

If you are interested in these, or any other topics, please let us know by contacting Laura Ricci at 229-5716 or LRicci@uwm.edu.

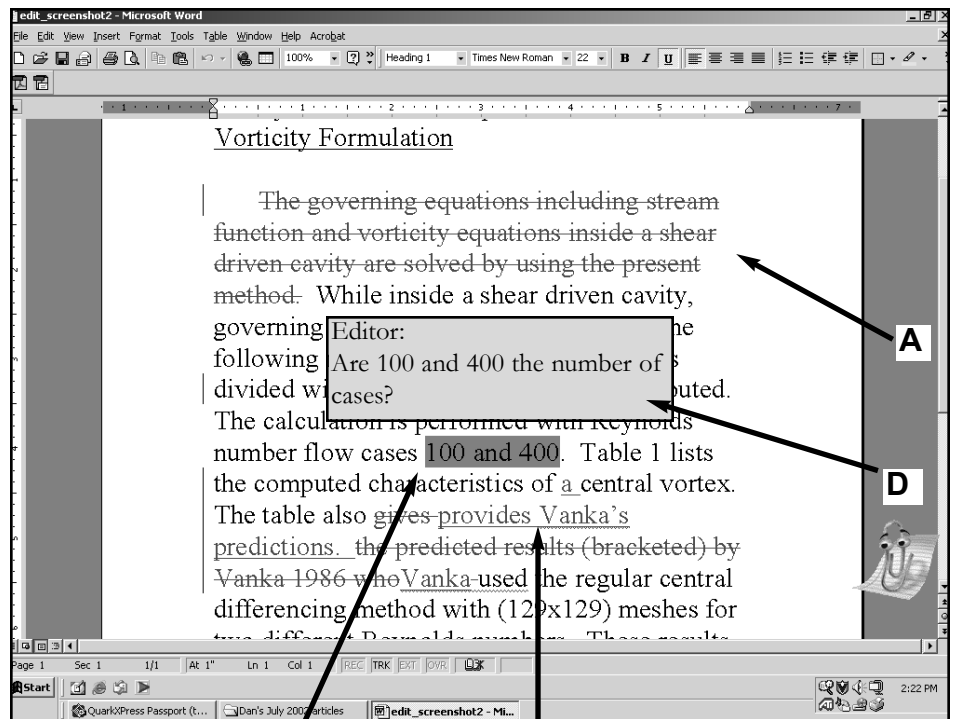


Fig. 1

C

B

A

D

Cooperative Student Exchange

By Ryan J. Moe

UW-Milwaukee and Marquette University are participating in the Cooperative Graduate Student Exchange Program. The program is designed to allow graduate students to obtain necessary coursework that is not offered at their own institution. However, students are not required to transfer or pay additional fees.

Students must register for a course that represents the UWM/Marquette Exchange Program and pay the tuition rates of their home university. They must apply for non-degree student status at the host institution. The non-degree application fee will be waived.

Although the new program offers a great opportunity for graduate students, there are stipulations on the terms of their enrollment at the host university. First, students must take classes not offered at their home institution, unless the course

allows them to graduate at the end of the semester. Also, students must follow the academic policies and procedures of the host university.

Policies and procedures have been established to allow instructors to continue their regular grading scheme. Grades will later be converted into the scheme of the home university. Upon completion of the courses, all work completed at the host university will be placed on the student's record at their primary institution.

Contacts:

UWM - Patricia Hayes
Hayes@uwm.edu
(414) 229-6263

Marquette - Craig Pierce
(414) 288-5740

Welcome Reception For CEAS Graduate Students

WHEN:

August 27, 2:00 - 4:00 p.m.

WHERE:

EMS room E387

The Office of the Associate Dean for Graduate Programs & Research will host the 2nd annual Graduate Student and Faculty Reception. All CEAS faculty and new and returning graduate students are cordially invited to attend. Faculty are asked to encourage graduate students, especially those new to our college, to come and meet the deans, other faculty and students, and the Graduate Programs & Research staff. Refreshments will be served.

Cybersecurity

from page 1

aside funds for such purposes.

There are few instructors currently teaching cryptography in the U.S. Two of these professors are in the UW System: Dr. George Davida, UWM, and Dr. Eric Bach, UW-Madison. Both will speak at the symposium, reviewing their courses and describing the strategies and methods they use to keep their students engaged. Other UW professors are invited to attend and integrate cybersecurity issues into their course work.

The Cybersecurity Symposium is hosted by the School of Continuing Education. For more information, please contact Nelson Soler, Director of Business Development, 414-227-3105, nsoler@uwm.edu, or Debra O'Neil, Program Assistant, 414-227-3180, oneil@uwm.edu.

Cybersecurity Symposium

When: July 25 and 26

Where: UWM School of Continuing Education
161 W. Wisconsin Avenue
Suite 6000
Milwaukee, WI 53203

Registration:

- Educators:
 UW System - \$100.00
 Non-UW System - \$199.00
 General Public:
 Complete Program - \$299.00
 Keynote &
 Single Session - \$129.00
 Keynote & Lunch - \$59.00
 Individual Sessions - \$99.00

For schedule information go to www.cccns.cs.uwm.edu/symposium.html.

Fall 2002 Ph.D. and Master's Applications and Admissions

	M.S.	Ph.D.
Regular Admits	93	25
Conditional Admits	9	24
Applications Pending Admission Decision	22	38

Funded Proposals 3/27/02 - 7/1/02

Principal Investigator	Proposal Title	Agency	Amount
Edward Beimborn	Evaluation of Implementation Issues For Automatic Vehicle Locator Systems for Wisconsin Transit Services	WI DOT	\$185,000
John T. Boyland	Career: Analysis for High-Dependability Computing	Carnegie Mellon	\$55,000
John T. Boyland	Career: Analysis Techniques for Evolution of Modular Software	NSF	\$174,317
Shih Hung Chan	Distinguished Professorship	UWM Foundation	\$86,590
Tsong-How Chang	Statistical Modeling Research	UWM Foundation	\$1,248.05
Tsong-How Chang	Gift	UWM Foundation	\$1,248.05
Erik R. Christensen	Receptor Models For The Evaluation Of Fate And Transport Of Organic Pollutants In The Aquatic Environment	NSF	\$154,644
William Gregory	Quality Control Research	UWM Foundation	\$11,077
Alan Horowitz	A Literature and Best Practices	Wisconsin DOT	\$10,000
Tien-Chien Jen	Analytical and Experimental Studies in Drill Temperatures with Heat Pipe Cooling	NSF	\$368,000
Kyu-Jung Kim	Discretionary Research in Biomechanics	UWM Foundation	\$5,500
Muammer Koc	INT-US-Turkey Planning Visit: Development of International Research Project on e-Manufacturing Design and Service	NSF	\$3,500
Gunol Kojasoy	Experimental Investigation of Interfacial Area Transport	Purdue University Institute of Thermal Hydraulics	\$25,000
Jay Lee	Industry/University Cooperative Research Center for Intelligent Maintenance Systems	NSF	\$80,000
Jay Lee and William Gregory	Workshop: Student Research Computational Linguistics at the joint ACL/NAACL 2002 Conference	NSF	\$18,000

Principal Investigator	Proposal Title	Agency	Amount
Jay Lee and William Gregory	Researcher Agreement	Automated Precision	\$15,000; \$15,750; and \$1,500
Jay Lee	IMS Center Membership Fee	Intel Corporation Kone, Inc. Harley Davidson Coherix Corporation Kone, Inc. Industrial Technology Research Institute WE Energies (WEPCO) Precision Machinery R&D Center	\$35,000 \$17,475 \$35,000 \$10,000 \$17,480 \$35,000 \$35,000 \$9,983
Jay Lee	Research Fellow Support	United Technologies	\$25,000
Susan McRoy	Workshop: Student Research Computational Linguistics at the joint ACL/NAACL 2002 Conference	NSF	\$18,000
Susan McRoy	Decision Systems and Artificial Intelligence Lab	Intel Corp.	\$65,275
Kenneth Neusen	E85 Infrastructure Development Initiative for Southeast Wisconsin	State of Wisconsin	\$9,983
Kenneth Neusen	Study And Assessment Of Alternative Fuel Fleet Operations In The State Of Wisconsin	WI Dept. Of Administration	\$35,000
Umesh Saxena	Industrial Assessment Center	DOE/Rutgers Univ.	\$141,900
Devarajan Venugopalan	Iron Research Fund	UWM Foundation	\$1,500
Adam Webber	Class-Invariant Assertions on Object-Oriented Programs	NSF	\$61,368
Jun Zhang	Computer Vision for Automotive Applications	Eaton Corp.	\$40,000
Jun Zhang	New Techniques for Image Sequence Segmentation and Analysis	US Navy	\$40,187

Making Your Presentations Stand Out: A Few Tips On PowerPoint

By Dan Djuplin

By learning a few tricks with PowerPoint, you can transform a dull presentation into one that effectively guides your discussion, and holds the attention of your audience. This program has an array of features that can be intimidating to the average user. But by understanding a few of the following concepts, you can make the most out of your presentations.

First, a PowerPoint presentation should serve as a guide, offering visuals in the form of lists, short text entries, charts and graphs, and other images. Reading your entire discussion, word for word, off of the screen is not recommended.

Adding Effects To Your Lists

Bulleted lists can provide an outline that you can then expand upon. Each list item tells your audience the main point and can serve as your notes, keeping your mind on the topic and your hands free.

It is important that you maintain control over the pace of your presentation. When using a list with animated effects, Marc Mayerhoff, EMMP Program Manager, suggests placing an icon after the last item in a list (Fig. 1). This tells you when you

are at the end of a slide, and allows you to finish the present topic before moving on. Progressing too soon can cause the audience to begin reading the next slide, or make you rush through the presentation.

Several symbols are available under *Insert* → *Symbols*. Choose *Webdings* or one of the *Wingdings* menus in the *Font* drop-down list. Mayerhoff adds that you should use something simple, that lets you know you are at the end of a slide, without suggesting any meaning to the audience. Arrows, for example, are not recommended since they will make the audience think that direction, or a process, is involved.

When presenting with collaborators, Mayerhoff will often use a similar trick. He will duplicate this end symbol when it is time to switch speakers (Fig. 2a). This cues each of the presenters that their portion is complete, and can result in a smoother transition.

If your goal is to keep the audience focused on one list item at a time, Mayerhoff adds that you can dim out previous items as you progress (Fig. 2b).

To dim text, click on *Slide Show* → *Custom Animation*. In the *Custom Animation* dialogue box, choose the object to be animated. With the *Effects* tab selected, you can choose animated

entry and sound options. To dim a previous list item, choose a lighter color at the *After Animation* drop-down menu.

Create A Chart

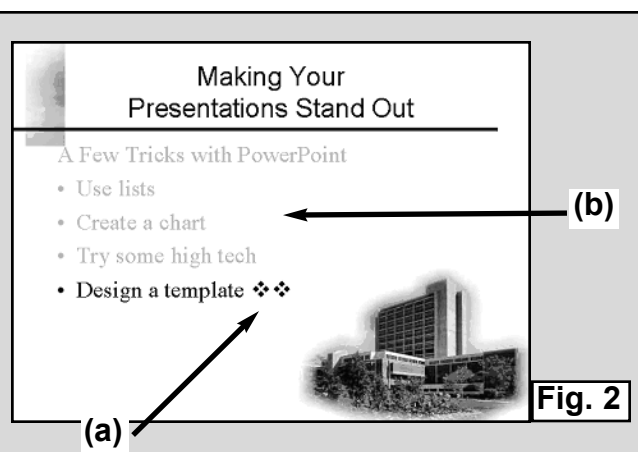
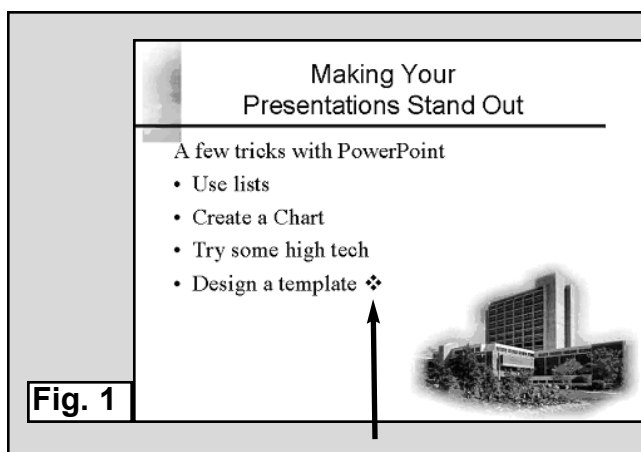
Charts have long been a staple of presentations. They provide visuals that are understandable, and make it easy for the audience to follow along.

PowerPoint makes it simple to create a chart by using the *Autoshapes* drop-down menu on the *Drawing Toolbar* (Fig. 3). This menu offers a variety of common chart shapes, arrows, and connecting lines. You can also insert text boxes into, or near, these shapes, and change colors and other features.

Try Some High Tech

The April 2002 issue of *Selling Power* magazine features an article on incorporating some new, high-tech products into your presentations. One of the best tips from this article is to use a digital camera to gather images, and personalize a presentation for your audience.

You can use a digital camera to take a picture of your project or a team at work, and then easily insert it into your



PowerPoint presentation, breaking up text and providing visuals.

To really impress your audience, you can take pictures at their facilities, and incorporate them into your slides.

Selling Power adds that with a laptop computer, you can even do this the day of the presentation.

For more articles about PowerPoint presentations and new products, *Selling Power* recommends powerpointers.com.

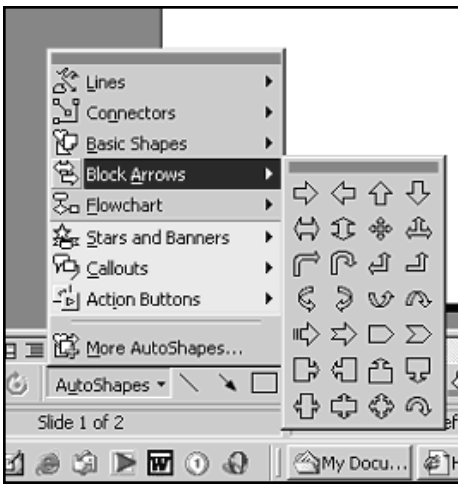


Fig. 3

Design a Template

The easiest way to customize a presentation is to design your own template. While PowerPoint provides a variety of stock templates, these samples can limit the versatility of your presentation and may associate it with other, less dynamic, presentations your audience has seen in the past.

Invitation To Submit Proposals

Application kits are now available for the Graduate School Research Committee Award Program for the fiscal year 2003-2004. The awards provide up to \$15,000 and are intended to support the development of the applicant's research program. Applicants may also request up to one-ninth of summer salary support.

Strong preference is given to applications from Assistant Professors and newly appointed (two years or less) Associate Professors.

For further guidelines, or to download an application, go to www.uwm.edu/Dept/RSA/intram/rfp.pdf.

Assistant professor Dave Clark of the English Department suggests that creating your own template will make your slides stand out. In his document design courses, Clark teaches that you can incorporate colors, fonts, images and other themes consistently to establish a visual identity with your topic or institution.

Begin creating your template by opening *View* → *Master* → *Slide Master*. Use your Drawing Toolbar to add lines, boxes and other designs of varying colors and sizes. You can also insert images into your master slide that will then appear on each subsequent slide you create. This can all be done in your free time, so that you have a personal template available whenever you need to create a new presentation.

For CEAS presentations, two templates are available (Fig. 4) with the online version of this article at www.uwm.edu/~lricci/pd/news/july02/powerpoint.html. You can download these templates and customize them to your own needs.

To learn more about using PowerPoint, the Learning Technology Center at UWM sponsors workshops each semester. The fall workshop schedule will be available at www.uwm.edu/Dept/LTC/ltc-workshops.html#workshops. For more information, contact LTC@uwm.edu.

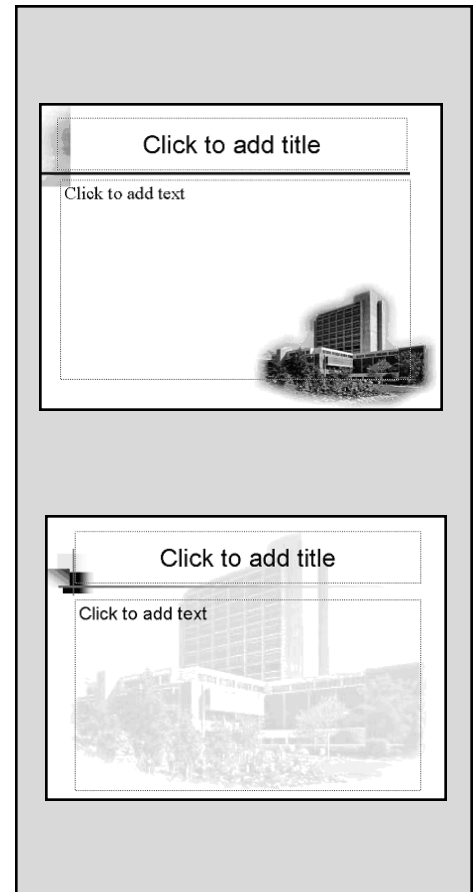


Fig. 4

Important Dates

EMMP Information Sessions
July 9 and August 6

Deadline for having Qualifying Exam Criteria up to date and available to CEAS departments
August 1

Reception for CEAS grad students
August 27

Fall Qualifying Exam
November 14 & 15

Successful First Term for EMMP

By Marc Mayerhoff

EMMP Information Sessions

The school of Business Administration and CEAS will be hosting information sessions for prospective Engineering Management Masters Program students. Faculty members are welcome. Please encourage students to attend.

Information can be found at www.uwm.edu/Dept/engrmgmt/infosess.html.

Tuesday, July 9, 2002
5:00-6:30 pm

Tuesday, August 6, 2002
5:00-6:30 pm

Business School Building,
Room N333
3202 N. Maryland Avenue

Friday and Saturday, June 7 and 8, marked the final weekend of the first term for the Engineering Management Masters Program's (EMMP) inaugural class. On Friday afternoon Kelly Ottman spoke on "Leadership, Teambuilding, and Effective Management," Saturday morning Minnie Patel presented "Engineering Statistical Analysis," and Saturday afternoon Darryl Craig presented "Engineering Economics and Management."

The fourteen students were certainly glad to begin their two-month break before embarking on three new courses in August. Engineering Project Management, Management Quality, and Operations Research in Engineering Management await them. The third term ends in June of 2003, but the students are expected to participate in the May 2003 commencement ceremony.

Comments made it clear that several

of the students planned to spend time with their families and/or working more.

Although none indicated any difficulty finding something else to fill their class and study times, it appears that all are pleased about their decisions to return to school and to enroll in the Engineering Management Masters Program.

Initial review of program evaluations indicated that the students were satisfied with the course content, the teaching, and the level of service provided. Close student contact, a key feature of the program, will continue to keep program managers informed of how things are progressing and alert them to any needed adjustments.

The students and instructors are to be congratulated for the successful completion of the program's first term. Such a positive start to a new program sets a high standard for those who will follow in January 2003.

Services Offered In The Graduate Programs & Research Office

Proposal Development
Proposal Preparation
Proposal Editing
Research of Funding Sources
Tracking of Research Proposals

As able, we also provide editing of technical journal submittals from faculty, and Web site development (associated with research funding opportunities).

Editing Services For Students

If you have students who would like to have their dissertations or other written work edited, several services are available.

The following is a list of editing services that provide a range of price and expertise, editing your work for style, usage and grammar.

UW-Milwaukee English students are now available for editing services. Contact professor Dave Clark at dclark@uwm.edu to set up an appointment with one of these students to discuss time and cost estimates.

Mary Mullins is a freelance, technical writer and editor. Her work includes manuscript editing, proofreading, and consulting. Fees are dependent upon complexity of the work and the required turnaround time. Call Mary at (414) 332-6370 for estimates and appointments.

Carolyn Kott-Washburne is an adjunct assistant professor in the Department of English. She has edited over 30 scholarly, professional, and trade books, as well as technical documents, brochures, newsletters, and funding proposals for businesses, not-for-profits, and academic institutions. For editorial work, she charges \$60 an hour for faculty and \$45 for graduate students. You can reach Carolyn at (414) 961-1995.

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