



*Cyberethics, Cybersafety,  
& Cybersecurity  
Conference*

*October 5-7, 2006*



**Summary Report from the  
5<sup>th</sup> Annual C3 Conference  
Cyberethics, Cybersafety, & Cybersecurity  
Implications for the Educational Community**

October 5, 2006 - Pre-Conference Workshops  
October 6-7, 2006 - Conference Sessions  
University of Maryland, College Park, MD



## University of Maryland CyberWATCH Subcontract Deliverables by Year Update

### YEAR 2

#### Cyberethics, Cybersafety and Cybersecurity (C3) Conference Event Summary

With approximately \$4500 carrying over from Year 1 funds from last years funds, approval was granted to apply funds to this year's 5th Annual Cyberethics, Cybersafety, & Cybersecurity (C3) Conference: Implications for the Educational Community which would be expanded to address key grant related issues.

While the conference focuses on Cyberethics, Cybersafety and Cybersecurity as related to the educational setting (K-20), NSF funding continues to allow additional workshop content and conference sessions to be devoted specifically to Cybersecurity issues for the user services and IT support staff. As security has become a front-and-center concern of IT departments and a common frustration for end-users, the support requirements for help desks and IT support staff have emerged as a critical competency for the central and departmental IT organization. This portion of the conference continues to provide IT support personnel with an introduction to the common cybersecurity issues that their organization and its users face. It also explored strategies and solutions for addressing user concerns and organizational requirements for improving the security of information systems. CyberWatch provided participant support in the form of handouts (both printed and CDROMs), and subsistence during the conference. With additional monetary support from the National Cyber Security Alliance, Symantec and CyberSmart, as well as workshop sponsorships from iSAFE, iKeepSAFE and the Socrates Institute, we were able to deliver a high quality, well received conference that addressed the needs of the educational community. The first day workshops were attended by 60 people, and the conference as a whole was attended by 149 participants. The conference website can be found at: <http://www.edtechoutreach.umd.edu/C32006/index.html>

The C3 conference has become one of the annual activities associated with National Cyber Security Awareness month--a congressional initiative led by the National Cyber Security Alliance. Each year the C3 conference will be held the first week in October to help kickoff the monthly awareness campaign. The 2007 conference will be held October 4 & 5. CyberWATCH funding will again support the conference in year 3 (2007). The 2007 C3 Conference will once again focus specifically to several security related activities and programs.

Specific 2006 CyberWATCH initiatives included:

- iSafe and NetSmartZ included section on ethical issues (hacking) and security—virus protection etc.
  - iSafe is designed to bring an Internet Safety Program to schools and communities in all 50 states and Department of Defense schools.
  - NetSmartz instructs how Internet safety resources can help prevent online victimization and keep your information secure.
- Dr. Radnofsky's workshop spoke to participants about her 2006 article "Corporate and Government Computers Hacked by Juveniles." *The Public Manager* 35(3), pp. 50-55. (<http://www.socratesinstitute.org/research/Hackers.html>) and then demonstrated NetEdGE (Internet Educational Game of Ethics) This interactive session gives participants a chance to experience *NetEdGE* (Internet Educational Game of Ethics), a cyberethics game for tweens and teens to teach middle and high school students the legal, ethical, safe, and secure online practices. This unique game of cyberethics has both online and group interactions, featuring three characters – a juvenile cybercriminal, a victim, and an undercover FBI agent – each of whom must make decisions regarding their cyber activity that could have real-life consequences. Participants play the game from the perspectives of each character, working through different

decision points and consequences. The online component was demonstrated following the live action simulations and discussions.

- Don McCabe, Founding Past President of the Center for Academic Integrity and Professor of Organization Management Strategy & Policy at Rutgers University spoke about Cyberethics and its role in today's academic and work environment and the role of ethical courses and content.
- Naomi Lefkovitz of the Division of Privacy and Identity Protection at the Federal Trade Commission spoke about identity theft and how to keep yourself secure.
- Casey O'Brien, Associate Professor and Network Technology Program Coordinator at the Community College of Baltimore County (CCBC) spoke about CyberWatch and an overview of: what information security is; the challenges to information security; the latest trends; best practices to help protect your digital assets; and the need for Information Security professionals.
- Craig Holcomb from the National Security Agency discussed security issues such as Computers and Privacy, and Crime, Abuse, and Hacker ethics.
- Jim Teicher of CybeSmart! spoke about how good safety, security and ethics practices impact every academic subject as teachers embrace the new literacy skills associated with information and communication technology (ICT) – striving to meet standards and raise student achievement.

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## **Full Agenda**

9:00 AM - 11:30 AM Benjamin Building Computer Teaching Lab

### **NetSmartz**

*LAURIE NATHAN, Outreach Coordinator, NetSmartz Workshop*

NetSmartz is a free, interactive, educational safety resource from the National Center for Missing & Exploited Children and Boys & Girls Clubs of America that uses age-appropriate, 3-D activities to teach children and teens how to be safer when online. Participants will learn about Internet dangers and how to effectively teach Internet safety in schools and communities. NetSmartz can easily be adapted to meet each educator's needs and time constraints. During the presentation participants will learn:

- The possible dangers children and teens may face online
- Characteristics of Internet predators and victims
- How Internet safety resources can help prevent online victimization
- Techniques for implementing NetSmartz in a classroom

The NetSmartz Workshop has developed Internet safety materials for use by children and teens ages 5-17. Participants will be introduced to the NetSmartz characters used to teach Internet safety and resource materials offered by NetSmartz. The materials will be demonstrated using real-life stories and case examples.

9:00 AM - 12:30 PM Benjamin Building Room 2101

### **i-SAFE America's Professional Development Program (PDP)**

*YVONNE PIPKIN, Professional Development and Outreach Manager, i-SAFE America*

Training for educators and law enforcement professionals to familiarize them with i-SAFE's programs and provide them with a solid foundation in Internet safety issues. On completion of the PDP, attendees are i-SAFE certified and qualified to teach the curriculum in the classroom, train others, and develop the i-SAFE program in their communities or organizations.

12:30 PM - 2:00 PM

Benjamin Building Computer Teaching Lab

**NetEdGE (Internet Educational Game of Ethics)**

*MARY L. RADNOFSKY CEO, The Socrates Institute, Alexandria, VA*

This interactive session gives participants a chance to experience NetEdGE (Internet Educational Game of Ethics), a cyberethics game for tweens and teens to teach middle and high school students the legal, ethical, safe, and secure online practices. This unique game of cyberethics has both online and group interactions, featuring three characters – a juvenile cybercriminal, a victim, and an undercover FBI agent – each of whom must make decisions regarding their cyber activity that could have real-life consequences. Participants will play the game from the perspectives of each character, working through different decision points and consequences. The online component will be demonstrated following the live action simulations and discussions.

## Conference Sessions

**Friday, October 6, 2006**

**Adele H. Stamp Student Union**

8:00 - 8:15 AM

Ballroom Lounge

**MORNING REFRESHMENTS & REGISTRATION**

8:15 - 8:45 AM

Grand Ballroom Lounge

**WELCOME**

*DAVINA PRUITT-MENTLE*

*Director, Educational Technology Outreach - University of Maryland*

*DR. DENNIS M. KIVLIGHAN, JR.*

*Dean, College of Education - University of Maryland*

*DR. C.D. MOTE, JR*

*President - University of Maryland*

8:45 - 9:35 AM

Grand Ballroom Lounge

SESSION 1: KEYNOTE

**Introductions:**

*MARSALI HANCOCK*

*President Internet Keep Safe Coalition*

*JACALYN S. LEAVITT*

*Chair of Internet Keep Safe Coalition - iKeepSafe Coalition Initiative*

**Recipient of the C3 Award of Excellence and Keynote**

*MARYLAND'S FIRST LADY KENDEL S. EHRlich*

9:35 - 9:45 AM

**BREAK**

9:45 - 10:45 AM

Grand Ballroom Lounge

**SESSION 2: COMPUTER CRIMES AGAINST CHILDREN**

*DETECTIVE SERGEANT ROBERT SMOLEK*

*Maryland Internet Crimes Against Children Taskforce*

As technology goes on and on, Internet crimes against children continue to be a growing problem, as the Internet has provided those individuals with a sexual interest in children unprecedented, unsupervised access to children. Detective Sergeant Robert Smolek, Director of the Maryland Internet Crimes Against Children Task Force, will discuss computer facilitated crimes against children, with a particular focus on victims, offenders, and those online technologies commonly used to sexually exploit children.

10:45 - 10:55 AM

BREAK/ROOM CHANGES

10:55 AM - 12:00 PM

**SESSION 3: CONCURRENT SESSION**

Grand Ballroom Lounge

**Deter, Detect, Defend: The FTC's Program on Identity Theft**

*NAOMI LEFKOVITZ*

*Division of Privacy and Identity Protection  
Federal Trade Commission*

Learn from the Federal Trade Commission how to detect identity theft and how to defend yourself against it. Learn also what information students, who as a group are at particular risk of identity theft, should know to protect themselves. The FTC has been studying the problem of identity theft for almost a decade and has developed a comprehensive program of tips to protect consumers and strategies for resolving victims' problems.

Margaret Brent Room

**Information Security in Today's World**

*CASEY O'BRIEN*

*Associate Professor and Network Technology Program Coordinator  
Community College of Baltimore County (CCBC)*

This session will provide an overview of: what information security is; the challenges to information security; the latest trends; best practices to help protect your digital assets; the need for Information Security professionals; and CyberWATCH.

Juan Ramon Jiménez Room

**Ethical Use of Computers**

*CRAIG HOLCOMB*

*National Security Agency*

Are the ethical issues surrounding computers really new? Are they unique? Or are the issues the same old ethical issues confronting society for centuries? The information presented will help students understand the ethical issues as related to computers. Terms will be introduced and cases will be presented to help the students understand the material. Topics that will be presented include: 1) Computers and Privacy; 2) Crime, Abuse, and Hacker ethics; 3) Responsibility; and 4) Social Implications and Consequences. The students will leave with simple guidelines on how to make an ethical decision and the Ten Commandments of Computer

12:00 – 2:00 PM

Main Ballroom

**SESSION 4: KEYNOTE LUNCHEON**

**Introduction**

*LIESYL FRANZ*

*Department of Homeland Security*

**KEYNOTE**

*RON TEIXEIRA*

*Executive Director - National Cyber Security Alliance*

## Door Prizes

2:00 - 2:05 PM

BREAK/ROOM CHANGES

2:05 - 3:15 PM

## SESSION 5: CONCURRENT SESSION CYBERAWARENESS CURRICULUM

Grand Ballroom Lounge

### **NetSmartz: Keeping Kids and Teens Safer on the Internet**

*Laurie Nathan - Outreach Coordinator - NetSmartz*

The NetSmartz Workshop, a FREE interactive, educational safety resource from the National Center for Missing & Exploited Children and Boys & Girls Clubs of America, uses age-appropriate, 3-D activities to teach children and teens how to be safer when using the Internet. NetSmartz can easily be adapted to meet individual needs and time constraints. NetSmartz is available to the public at [www.NetSmartz.org](http://www.NetSmartz.org) and [www.NetSmartzKids.org](http://www.NetSmartzKids.org).

Margaret Brent Room

### **Empowering Youth to be Safe Online...In the Classroom and Beyond**

*Yvonne Pipkin*

*Professional Development and Outreach Manager - i-SAFE America*

Explore i-SAFE's FREE standards-based, Internet safety education and outreach program. Discuss responsible use issues, current research and statistics of student online behaviors, and i-SAFE K-12 and pre-service teacher education programs.

Juan Ramon Jiménez Room

### **CyberSmart**

*Jim Teicher*

*Executive Director & CEO - The CyberSmart! Education Company*

Good safety, security and ethics practices impact every academic subject as teachers embrace the new literacy skills associated with information and communication technology (ICT) – striving to meet standards and raise student achievement.

During this session participants will be introduced to the S-M-A-R-T topics, lesson content, and CyberSmart!'s non-sequential instructional approach. Participants will also be introduced to the "Pathways to Information Fluency" online course as a means to impact their instructional practices – all within a context of secure and ethical use.

### **iKeepSafe: Faux Paw the Techno Cat Internet Safety Program**

*Marsali Hancock - President - Internet Keep Safe Coalition*

*Jacalyn S. Leavitt - Chair - Internet Keep Safe Coalition*

The Internet Keep Safe Coalition is a partnership of 50 state governors/first spouses, law enforcement agencies, non-profit organizations, and corporate sponsors. The mission is to help parents, educators and caregivers by providing guidelines and tools to teach children the safe and healthy use of technology and the Internet. The Faux Paw the Techno Cat Internet Safety program is a product of the IKSC, with free presentation and training materials so that educators can bring this program into their schools. Attendees will learn how they can teach children and their families what they need to know about Internet Safety. The Faux Paw program is designed for children in K-4th Grades.

3:20 - 3:25 PM

BREAK/ROOM CHANGES

3:25 – 4:30 PM - SESSION 6

Grand Ballroom Lounge

**Online Bullying: The Role of Character Education**

JACQUELINE JONES

*Faculty Support Mentor Team Mentor Teacher*

*Department of Professional Development - Prince George's County Public Schools.*

*Former Character Education Specialist for the Maryland State Department of Education*

This session will discuss the What? So What? and Now What? of Cyber Bullying. The presenter will share how Character Education can be a proactive intervention.

4:30 PM

Wrap Up – Adjourn – Drawings

**Conference Sessions**

**Saturday, October 7, 2006**

**Theodore R. McKeldin Library**

**Special Events Room 6137**

10:00 AM

**MORNING REFRESHMENTS & REGISTRATION**

**Welcome:**

DAVINA PRUITT-MENTLE

*Director, Educational Technology Outreach - University of Maryland*

**Introductions:**

DIANE HARVEY

*User Education Services*

*Library Services - McKeldin Library*

*University of Maryland*

DEAN CHARLES LOWRY

*Dean of Library Services*

*University of Maryland*

10:30-11:30 AM - SESSION 7: KEYNOTE

**Academic Integrity and Ethics in the Internet Age**

DON MCCABE

*Founding Past President of the Center for Academic Integrity.*

*Professor of Organization Management Strategy & Policy*

*Rutgers University*

11:30 -11:40 AM

BREAK

11:40 AM -12:30 PM - SESSION 8

**Academic Integrity: Processes and Expectations at the College Level**

ANDREA GOODWIN

*Associate Director of the Office of Student Conduct*

*Office of Judicial Programs and Student Ethical Development*

DIANE HARVEY

*Undergraduate Studies Librarian*

The University of Maryland is frequently cited as a national model for schools seeking to develop student-administered honor codes. This presentation will focus on the University's efforts to promote academic

integrity, and will include information about the Student Honor Council, Office of Student Conduct, and the Libraries Academic Integrity Initiative. It will also explore how K12 educators can prepare students to meet the academic integrity standards of higher education.

12:30-1:30 PM - SESSION 9: KEYNOTE LUNCHEON

**Efforts at the State and National Level**

*JAYNE MOORE*

*Maryland State Department of Education*

*MILA FULLER*

*International Society for Technology in Education*

1:40 - 2:30 PM - SESSION 10

**Combating Plagiarism through NetEdGE**

*MARY L. RADNOFSKY*

*CEO*

*The Socrates Institute, Alexandria, VA*

This interactive session gives participants a chance to experience NetEdGE (Internet Educational Game of Ethics), a cyberethics game for tweens and teens to teach middle and high school students the legal, ethical, safe, and secure online practices.

2:30-3:30PM - SESSION 11

**Copyright Issues in the Digital Environment**

*KIM BONNER*

*Executive Director, Center for Intellectual Property*

*University of Maryland University College*

3:30 PM

**Wrap Up – Adjourn – Drawings**

**Speaker Biographical Sketches - 2006**

**Keynotes**

**Kendel S. Ehrlich**

**First Lady – State of Maryland**

Kendel S. Ehrlich was born the youngest of three children and raised in the Baltimore County community of Lutherville, Maryland. As a member of the National Honor Society and co-captain of the Dulaney High School lacrosse team, Kendel honed the skills that follow her today - spirit, leadership, and commitment. She attended the University of Delaware and pursued a Bachelor of Science degree in Criminal Justice and a minor in Political Science. Before attending the University of Baltimore Law School, Kendel worked as a paralegal at the law firm of Venable, Baetjer & Howard.

She remains an active speaker focusing on the following initiatives: Education, Drug and Alcohol Abuse Treatment and Prevention, Hospice Care, Cancer Prevention, and the creation of Maryland's first Women's History Museum. She sits on several boards and is an avid fundraiser for various causes in Maryland, including: Cystic Fibrosis, GBMC Hospital, Race for the Cure, The Red Cross, Suited for Change, and various statewide hospice organizations.

**Ron Teixeira**

**Executive Director**

**National Cyber Security Alliance**

As the executive director of the National Cyber Security Alliance (NCSA), Teixeira is responsible for the overall management of cyber security awareness programs and national education efforts. Teixeira works closely with various government agencies, corporations and non-profits to increase awareness of Internet security issues and to



empower home users, small businesses and the education community with tools and best practices designed to ensure a safe and meaningful Internet experience. Teixeira has provided security tips on a number of news outlets like CNN, Newsweek, Associated Press, Parade Magazine and Radio and TV News Shows all over the country.

**Don McCabe**  
**Professor Management & Global Business**  
**Rutgers University**

Don McCabe is a Professor of Organization Management at Rutgers University. Over the last fifteen years he has done extensive research on college cheating, surveying over 100,000 students at more than 140 colleges and universities in the U.S. and Canada. He has also surveyed over 18,000 high school students in the United States during the last five years. His work has been published widely in business, education and sociology journals and he is founding president of the Center for Academic Integrity, a consortium of over 350 colleges and universities based at Duke University who are joined in a united effort to promote academic integrity among college and university students.

Don has a B.A. in Chemistry from Princeton University (1966), an M.B.A. in Marketing from Seton Hall University (1970), and a Ph.D. in Management from New York University (1985). He worked for over 20 years in the corporate world before joining Rutgers in 1988. His last corporate position was Vice President of Sales & Marketing for Devro, Inc., a Johnson & Johnson company.

**Jayne Moore**  
**Director, Instructional Technology & School Library Media**  
**Maryland Department of Education**

Jayne Moore is Director of the Instructional Technology and School Library Media Program at the Maryland State Department of Education (MSDE). She is responsible for developing policy and working within MSDE and with local school systems in Maryland on instructional technology and library media issues related to the MSDE Strategic Plan, including the review of Local School System Master Plans and Division of Instruction initiatives, including curriculum, instructional practice, and professional development. Her office is also responsible for approving local school systems' technology plans, distributing funding for Enhancing Education through Technology and Maryland's e-learning initiative, the Maryland Virtual Opportunities Program.

**Mila Fuller**  
**Director of Strategic Initiatives**  
**International Society for Technology in Education**

Mila Fuller is responsible for helping the CEO at ISTE in establishing and maintaining strategic alliances. She also assists with identifying and exploring partnerships with institutions, agencies and other organizations to further the ISTE mission and to address technology in teacher quality. Mila currently serves as an adjunct assistant professor of education at the University of Maryland University College (UMUC), and is Past-President of the ISTE affiliate, MICCA-An Association in Maryland for Educators Using Technology. Mila is based out of ISTE's Washington, DC Office, and has provided a variety of national and international presentations focused on improving teaching and learning by advancing the effective use of technology in education.

Prior to joining ISTE, Mila served as a district-level Coordinator for Technology Leadership, Program Manager for the Maryland Technology Academy Satellite Programs of Baltimore City, and 4th/5th grade teacher. Mila also served as a member of the Committee on Technology in Education (COTE) which was responsible for the development of the Maryland State Plan for Technology. Mila earned a Master of Arts in Leadership in Teaching with an endorsement in Administration & Supervision from the College of Notre Dame of Maryland, and is currently enrolled in a Doctoral Program at Towson University in Maryland.

## **UMD**

### **Dr. C.D. Mote, Jr President University of Maryland**

In September 1998, C. D. (Dan) Mote, Jr. began his tenure as President of the University of Maryland and Glenn L. Martin Institute Professor of Engineering. He was recruited to lead the University of Maryland to national eminence under a mandate by the state. Since assuming the presidency, he has encouraged an environment of excellence across the University and given new impetus to the momentum generated by a talented faculty and student body. Under his leadership, academic programs have flourished. In 2005, the University was ranked 18th among public research universities, up from 30th in 1998. President Mote has emphasized broad access to the university's model, enriched undergraduate curriculum programs and launched the Baltimore Incentive Awards Program to recruit and provide full support to high school students of outstanding potential who have overcome extraordinary adversity during their lives.

He and his wife of over 40 years, Patricia Mote, have two married children, Melissa and Adam, and four grandchildren. Patsy Mote has continued her strong support of the arts and is spokesperson for the Clarice Smith Performing Arts Center and a member of Prince George's County Arts Commission.

### **Dennis M. Kivlighan, Jr. Interim Dean, College of Education University of Maryland College Park**

Dennis M. Kivlighan, Jr. was appointed Interim Dean of the College of Education in July 2006. Prior to this appointment, Kivlighan was professor and chair of the College of Education's Department of Counseling and Personnel Services, a position he has held since 2001. U.S. News & World Report has ranked the Department of Counseling and Personnel Services first in the nation for seven consecutive years.

Kivlighan earned his doctoral degree in counseling psychology with a specialty in group counseling and psychotherapy, and holds an M.S. in counseling psychology, both from Virginia Commonwealth University. He received a B.S. in psychology from the College of William and Mary.

### **Charles B. Lowry Dean of Libraries University of Maryland College Park**

Charles B. Lowry assumed the responsibility of Dean of Libraries at the University of Maryland College Park in October 1996--a system composed of the seven libraries. Lowry is also a professor in the University of Maryland College Of Information Studies. In his immediate past position he was University Librarian at Carnegie Mellon University in Pittsburgh where he led significant information technology initiatives (1992-96).

Lowry has been the principal investigator on Federal grants and foundation grants; has served as a consultant on library building projects, technology, organization and management; and has published articles and commentary on library management and organization, information technology and cooperation. He is the past editor and founding associate editor of *Library Administration and Management*, the journal of the Library Administration and Management Association. He edited the column "Managing Technology" appearing in *The Journal of Academic Librarianship*, JAI Press from 1995-1999. Lowry is the founding executive editor (2000-02) and the current Editor (2004- ) of the journal portal: *Libraries and the Academy* from The John's Hopkins Press.

Lowry received his B.S. degree in History from Spring Hill College (1964), an M.A. in History from the University of Alabama, Tuscaloosa (1965), a MS in Library Science from the University of North Carolina, Chapel Hill (1974), and a Ph.D. in history from the University of Florida, Gainesville (1979). In 1985, he participated in the Senior Fellows Program at the UCLA Graduate School of Library and Information Science

**Davina Pruitt-Mentle**  
**Director, Educational Technology Policy, Research, and Outreach**  
**College of Education**  
**University of Maryland**

Davina Pruitt-Mentle's primary responsibilities include providing professional development opportunities for educators through workshops and graduate courses, many of which are run on line, and providing support for grant initiatives, faculty, departmental, and college projects that advance effective learning and teaching through technology integration. She has extensive experience in the research, development and delivery of educational media, including computer software, multimedia, distance learning and print materials. She served on the advisory committee for the national TSSA standards (Technology Standards for School Administrators) and Partnership for 21st Century Skills, and presently serves on the Maryland State Technology Plan Advisory Committee, the Maryland TL8 Advisory Council, the Maryland Online Technology Profiles Consortium, the Executive Committee for MICCA (MD ISTE Affiliate), advisory group for the National Cyber Security Alliance, and Maryland Technology Plan Reviewer. In 2006 she was appointed to serve on the K-16 Maryland Committee on Library Information Literacy and Ethical Use and has a three year ISTE NCATE Program Review Board appointment.

Her research and development interests have focused on the role of distance learning in education, particularly cultivating the Internet as an environment in which to conduct professional development (PD) opportunities, and cultural differences towards technology use. A main initiative within this PD framework involves educators and students knowledge of C3 issues. In partnership with NCSA, Homeland Security, and the Educause Security Task Force, several initiatives have been put in place including an annual C3 conference, C3 workshops and graduate level courses, on-line tutorials and the National Cyber Awareness Month interactive calendars (April and October). Other research initiatives focus on constructivist learning and teaching via technology, informal education programs including her Young Scholars Mindtools Program-attracting youth to pursue careers in STEM fields, Digital Fluency curriculum and PD through gaming theory. She has acted as consultant to a wide number of technology and education-related organizations. She has authored and presented at numerous national, regional and state conferences and teaches graduate courses to practicing educators on a wide range of technology and science related topics.

Davina received her B.S. in Biochemistry and a minor in Biology from VA Tech, a M.Ed. in Secondary Science Education from Lynchburg College and is in the final completion of her PhD dissertation at UMCP in Educational Technology Policy: Community and Educational Opportunity in the U.S.: New Immigrant and Low-Income Voices About the Relative Utility of a Community Based Informal Educational Technology Program

**Diane Harvey**  
**Undergraduate Studies Librarian**  
**University of Maryland College Park**

Diane Harvey is the Undergraduate Studies Librarian at the University of Maryland. Her work focuses on information literacy instruction, reference services, and liaison to undergraduate programs on campus. Her current projects include leading the UM Libraries Academic Integrity Initiative and co-chairing the Maryland K16 Partnership for Teaching & Learning's committee on information literacy and ethical use. She has an MLS from Rutgers University and has worked at academic and special libraries, including Johns Hopkins and Rutgers

**Session/Workshop Speakers**

**Kimberly M. Bonner, J.D.**  
**Executive Director, Center for Intellectual Property**  
**University of Maryland University College**

Kimberly M. Bonner is the Executive Director of the Center for Intellectual Property in the Digital Environment at the University of Maryland University College. As the Executive Director of the Center, Ms. Bonner directs strategic planning, execution of initiatives and fundraising for the Center. The Center for Intellectual Property educates, conducts research and develops resources on the impact of intellectual property law and policy on higher education. Under her leadership, the Center received grants from the Sloan and Andrew Mellon Foundations. The

Center was also awarded for its outstanding programming by UCEA. Ms. Bonner taught copyright and communications law courses in the Undergraduate and Graduate School for UMUC. She has been an invited speaker at various conferences around the country including EDUCAUSE and the Higher Education Law and Policy Institute. She has participated in a roundtable on Educational Uses of Content in the Digital Age at the Berkman Center for Cyberspace Law at Harvard Law School. Recently, she co-authored and edited the book, *The Center for Intellectual Property Handbook*, published by Neal Schuman Publishers. The Handbook is a reference tool for higher education professionals on various copyright issues that arise when using creative works via digital networks

Prior to joining UMUC, Ms. Bonner was a law clerk for United States District Court Judge W. Louis Sands in the Middle District of Georgia for two years. After her clerkship, Ms. Bonner joined the law firm of Howrey, Simon, Arnold & White, LLP in Washington, DC. At Howrey, she specialized in trade secret, trademark and insurance coverage litigation. Ms. Bonner received her Bachelor of Arts degree from the University of Virginia in 1993 in Foreign Affairs and her Juris Doctor from the University of Virginia in 1996. While at the Law School, she served on the editorial board and was a books review editor for the *Virginia Journal of International Law*.

Liesyl Franz

**Director, International Affairs**  
**Deputy Director for Outreach and Awareness**

Ms. Franz is the Director of International Affairs and the Deputy Director of Outreach and Awareness for the National Cyber Security Division. She directs NCSA programs in the areas of International and Policy, Communications and Messaging, and Stakeholder Outreach.

Prior to work with DHS, Ms. Franz served as Director for Global Government Affairs for EDS Corporation, a FORTUNE 100 information technology services provider. She represented EDS Corporation's position on public policy issues surrounding cyber security and privacy, trade and international business, and financial services regulatory issues. Prior to joining EDS, Ms. Franz served as Director for Services Trade Negotiations for the Coalition of Service Industries (CSI). CSI is an advocacy association for liberalized trade in services for the U.S. services industry, including financial, professional, telecommunications, energy, and other primary services. Ms. Franz holds a BA in Political Science from the University of Texas at Austin and an MA from the Elliott School of International Affairs at George Washington University.

**Andrea Goodwin**  
**Associate Director of the Office of Student Conduct**  
**Office of Judicial Programs and Student Ethical Development**  
**University of Maryland**

Andrea Goodwin is the Associate Director of the Office of Student Conduct at the University of Maryland. She oversees the Academic Integrity process at the University and advises the Student Honor Council. Andrea is a doctoral student in Education Policy Planning and Leadership in the College of Education and is writing her dissertation on academic integrity.

**Marsali S. Hancock**  
**President**  
**Internet Keep Safe Coalition**

Ms. Hancock brings over 16 years of public service, education and business management experience to her position.

She founded the Mountain West String Academy, a highly successful music education program funded by public and private grants and through donations. Gathering university staff, school principals, professional musicians, college students, and parent volunteers, she created the program that currently carries up to 300 students. Ms. Hancock also founded the Science Summer Workshop, a hands-on, advanced youth science tutoring program, where she organized curriculum, lessons and activities that cover basic chemistry, virology and biology.

A highly talented musician, Ms. Hancock worked as a professional violinist for over 25 years, completing a solo CD and numerous studio recordings for films and symphonic soundtracks. She served as an adjunct faculty member for

the Utah State University School of Music and is an occasional substitute for the Utah Symphony. Ms Hancock earned her violin performance degree in music from Brigham Young University and is the mother of six children. She enjoys gourmet cooking, gardening and hiking with her children.

**Craig Holcomb**  
**National Security Agency**

Mr. Craig Holcomb is a Senior Computer Scientist with the National Security Agency. He holds a Bachelor's degree from the University of Tennessee with a double major in Mathematics and Computer Science, a Master's degree in Computer Science from George Washington University, and an Applied Scientist degree also from GW with a major in Computer Science Software and Systems, with minors in Hardware and Artificial Intelligence.

Mr. Holcomb has been with NSA for 25 years. He began his career as a programmer and later ran a technology lab introducing new computer technology into NSA. He served as the technical director for the NSA's Chief Information Officer's office of Policy and Governance. He was a technical recruiter, hiring Computer Scientists and Engineers for the Information Assurance Directorate. Currently he's the Technical Director for NSA's, Modeling and Simulation Oversight division in the office of Operations Research, Modeling and Simulation. For those that have never heard of Operations Research, it helps managers, engineers, and analysts improve mission, infrastructure and control services by using mathematical/scientific approaches to aid in the decision process to increase productivity, save money and efficiently use resources.

Mr. Holcomb has been a speaker for NSA's Mathematics Speaker's Bureau for over 10 years. He has presented 13 of the 53 talks in NSA's catalog, <http://www.nsa.gov/mepp/MEPP2006-7.pdf>, to a wide variety of audiences including students in Elementary, Middle and High Schools in both public and private schools, Community Colleges, the Maryland Council of Teacher's of Mathematics conferences and the National Council of Teacher's of Mathematics conference in Baltimore.

**Jacqueline Ringgold Jones**  
**Faculty Support Mentor Team Mentor Teacher**  
**Department of Professional Development**  
**Prince George's County Public Schools.**  
**Former Character Education Specialist for the Maryland State Department of Education.**

Jacqueline Ringgold Jones has been an educator for 34 years. She is currently a Faculty Support Team Mentor Teacher, in the Department of Professional Development, Prince George's County Public Schools. Jacqueline served as the Character Education Specialist for the Maryland State Department of Education from July 2003 – June 2006. She is a Community of Caring National Trainer and a member of the Community of Caring Advisory Committee. Jacqueline also serves on the Board of Directors for the Maryland Center for Character Education. As character education consultant and Community of Caring trainer, Jacqueline has presented or trained in twelve states, the District of Columbia, and Canada. In 1998 she received the Community of Caring Outstanding Lead Teacher Award. Jacqueline's article, "The Quest for Character: Where Do We Begin?" was published in the spring 2003 edition of Orbit Magazine. Orbit is a product of the University of Toronto.

**Jacalyn S. Leavitt**  
**Chair of Internet Keep Safe Coalition**

Mrs. Leavitt currently serves as Chair of the Internet Keep Safe Coalition, having gathered a partnership of 49 first spouses or governors, federal agencies, and associations to protect children from the growing threat of Internet predators. With over 13 years of public service, Mrs. Leavitt served as Utah's 14th First Lady for almost 11 years, from 1993 to 2003. Improving the health and literacy rates of children and strengthening families are the trademarks of her public service. She is the author of five children's books, including Faux Paw the Techno Cat: Adventures in the Internet, and directs the development of the iKeepSafe Internet Safety Program.

Previously, Mrs. Leavitt developed the Read to Me Campaign for Utah, promoting the importance of having parents read to their children early and often. She also developed the "Worth Remembering, Olympic Legacy Character

Education Program” for students to reinforce core values demonstrated in the 2002 Winter Olympics held in Salt Lake City.

Ms. Leavitt served as the Spouses’ Chair of the National Governors’ Association, successfully launching in the National Great Start Campaign to encourage smoking cessation among pregnant women, which was supported by first ladies across the country. She also served for 11 years as Chair of Utah’s “Every Child by Two” Immunization Task Force, which earned the National Award for Most Improved State during her tenure, and continues to serve as Honorary Chair. Mrs. Leavitt also previously served as Spokesperson for the Baby Watch, early intervention program and the Children’s Health Insurance Program (CHIP) for which she raised awareness among parents about available health insurance coverage for uninsured children, helping to enroll more than 17,000 children. With her husband, she also formed the Governor’s Commission on Marriage, the first state marriage commission in the nation.

A former school teacher, Mrs. Leavitt earned her degree in Speech Education from Utah State University and is the mother of five children.

**Naomi B. Lefkowitz**  
**Federal Trade Commission**

Naomi Lefkowitz is an attorney with the Division of Privacy and Identity Protection at the Federal Trade Commission. Her responsibilities focus primarily on identity theft policy issues, data security legislative activity, and business and consumer education in these areas.

Ms. Lefkowitz joined the FTC in 2001. For the five years prior to working at the FTC, she was Assistant General Counsel at CDnow, Inc., an online music retailer. At CDnow, Inc., she was responsible for negotiating and drafting contracts, managing intellectual property matters, lobbying and trade association participation as well as other corporate matters.

Immediately after receiving her law degree, Ms. Lefkowitz worked as the Legal Coordinator for the Police-Barrio Relations Project in Philadelphia, PA. Ms. Lefkowitz holds a B.A. with honors in French Literature from Bryn Mawr College and a J.D. with honors from Temple University School of Law.

**Laurie Nathan**  
**Outreach Coordinator**  
**NetSmartz**

Laurie Nathan is the Outreach Coordinator for the NetSmartz Workshop, a partnership of the National Center for Missing & Exploited Children (NCMEC) and Boys & Girls Club of America. Prior to her arrival at NetSmartz, Ms. Nathan was a staff analyst in the Exploited Child Unit (ECU) at NCMEC. During her tenure in the ECU, Laurie garnered extensive knowledge of Internet search capabilities, became familiar with the ways children can be exploited through the usage of the Internet, and worked closely with law enforcement to have these cases resolved.

Prior to her work at NCMEC, Ms. Nathan was the Director of Programs at Prevent Child Abuse of Metropolitan Washington. Laurie managed over 40 volunteers who answered calls on PhoneFriend, a support line for children ages 5 to 15. Additionally, she worked on child abuse prevention outreach campaigns for the Washington, D.C. metro area.

Ms. Nathan graduated with highest honors from Emory University in Atlanta, GA with a B.A. in Psychology and a minor in Art History.

**Casey O'Brien**  
**Associate Professor and Network Technology Program Coordinator**  
**Community College of Baltimore County (CCBC)**

Mr. O'Brien has more than 10 years experience in information security and large-scale IT project management in challenging and cutting-edge computing environments that include both the public and private sectors. Currently Mr. O'Brien is the Network Technology Program Coordinator and an Associate Professor at the Community College of Baltimore County (CCBC), one of the largest community colleges in the state of Maryland. Mr. O'Brien developed a four-course information security certificate program (one of the first in the state) and teaches both networking and information security-related courses. Mr. O'Brien's research interests include teaching information security at the two-year level, adaptive networks, and high-availability computing.

**Yvonne Pipkin**  
**Professional Development and Outreach Manager**  
**i-SAFE America**

Yvonne Pipkin is a Professional Development Manager for i-SAFE America, a non-profit organization funded by Congress to bring an Internet Safety Program to schools and communities in all 50 states and Department of Defense schools around the world. She works to expand the i-SAFE presence, promoting i-SAFE's education and outreach programs across the United States, in conjunction with various state-level education organizations, law enforcement agencies, and FBI field offices.

A former staffer for a member of the House of Representatives, Yvonne supervised numerous projects ensuring a smooth transition of events, including roundtable discussions, visits conducted by White House appointees, and issue-based forums with federal departments and organizations. A proven record of success in coordinating and marketing these projects provided the opportunity to supervise events varying in size and scope. Dedicated to improving access to government and opportunities across the Commonwealth of Pennsylvania, she was appointed by former Pennsylvania Governor Tom Ridge to serve on the Advisory Commission on African-American Affairs. Yvonne has extensive experience in the field of public education, having owned an education-consulting firm with her husband. A persuasive communicator with well-developed presentation and negotiation skills, her style is engaging and she enjoys interacting with her audience. Yvonne earned a Bachelors of Science in Psychology from the University of Pittsburgh.

**Mary L. Radnofsky**  
**President and CEO**  
**The Socrates Institute**

Mary L. Radnofsky, Ph.D. is president and CEO of The Socrates Institute, as well as director of the NetEdge Project. She has a Hubble Space Telescope Cycle 13 grant to create a high school astronomy curriculum, and has already written biotechnology curricula for The Biotechnology Institute, and an early childhood morals curriculum education for The Silver Grace Hope Foundation. Prior to that, she worked on K-12 astronomy curricula for a NASA grant related to the Solar System and the planet Mercury. She designs educator workshops and instructional materials in interdisciplinary teaching such as her K-6 international project, "Vision and the Scientific Habit of Mind."

Dr. Radnofsky has taught all grade levels, including college and adults around the world both in traditional face-to-face classrooms and in asynchronous online environments, such as in France, Liberia, Sweden, Texas, Tennessee, New York, Virginia, Maryland, and Washington D.C. She earned her doctorate in Education and Human Development from Vanderbilt University, her Masters Degree in French Literature from the Université de Provence, France, and her Bachelor's Degree in English from the University of Houston.

Her publications are focused in the areas of cyberethics, interdisciplinary teaching, foreign language learning, and qualitative research. She is teacher-certified, bilingual (French/English), and has spoken at numerous national and international conferences, on radio and on TV regarding interdisciplinary education. She has also served as Teacher Representative to the U.S. Department of State/NASA Aerospace Institute at the Johnson Space Center, and currently sits on the Board of Trustees for the Scholarship Fund of Alexandria.

Throughout her career, Dr. Radnofsky has worked with business leaders, elected officials, volunteers, parents and education associations to link all levels of classroom learning to real-world applications.

**Detective Sergeant Robert Smolek**  
**Maryland Internet Crimes Against Children Taskforce**

Detective Sergeant Robert Smolek is a 17-year veteran of the Maryland State Police, currently assigned to the Criminal Investigation Division where he supervises the Computer Crimes Unit, a specialized investigative unit dedicated to investigation of computer intrusion, fraud, identity theft, child exploitation, and digital media analysis. D/Sergeant Smolek also directs the Maryland Internet Crimes Against Children Task Force (MDICAC), a federally funded, multi-agency, multi-jurisdictional virtual task force designed to increase the capacity of Maryland law enforcement to respond to computer facilitated crimes against children.

As a Maryland Police Training Commission certified police instructor, D/Sergeant Smolek regularly lectures, trains, and provides technical assistance in the area of computer crime investigation to federal, state, and local law enforcement agencies and serves an adjunct professor at Anne Arundel Community College where he teaches a Cybercrime course. D/Sergeant Smolek holds an MS in Management from Johns Hopkins University.

Jim Teicher

**CEO**

**The CyberSmart! Education Company**

Jim Teicher is co-founder and CEO of The CyberSmart! Education Co. CyberSmart! provides online professional development to addresses the new literacy demands of educators in our technology-enabled world. CyberSmart! is widely known for it's K-8 curriculum which is used nationwide. CyberSmart! is cited by The White House, numerous federal and state agencies, school districts, and school web sites. Jim currently serves on the advisory board of the Congressional Internet Caucus and is a founding sponsor of the National Cyber Security Alliance. Jim was formerly President of Smart Tone, Inc., a leading innovator in voice biometric authentication. Previously, he was founder and CEO of Stockalert, Inc., the award-winning financial information service. Jim also served as Divisional Vice President of the PaineWebber Group Incorporated, and managed consumer online product development at AT&T.

**Lessons Learned:**

Discussions with attendees have shown a desire to include more sessions for IT administrators. A topic of interest is computer security and forensics. In next year's conference we may add a workshop on this topic, as well as sessions to disseminate both the implications regarding security of forensic work, and to present information regarding this interesting and expanding career choice.



## 2006 C3 Summary Evaluations from the Attendees

<b>Evaluation and Feedback</b>	
1 - 5 scale, with 1 being strongly agree, 5 being strongly disagree	Average
<b>General Questions</b>	
The conference objectives were clear.	1.48
The three day length of the conference was sufficient to cover the subject matter	1.91
Overall, the conference instructors and speakers were effective.	1.91
The conference materials are useful.	1.61
I learned new information in this conference.	1.52
I will use the information that I learned in this conference in my current position.	1.03
I would recommend this conference to others	1.65
Considering what I learned in the conference sessions, the cost was reasonable.	1.45
<b>Workshops</b>	
<b>i-SAFE America's Professional Development Program (PDP)</b> <ul style="list-style-type: none"> <li>▪ Yvonne Pipkin, Professional Development and Outreach Manager, i-SAFE America</li> </ul>	1.93
<b>NetEdGE (Internet Educational Game of Ethics)</b> <ul style="list-style-type: none"> <li>▪ Mary L. Radnofsky CEO, The Socrates Institute, Alexandria, VA</li> </ul>	3.00
<b>NetSmartz</b> <ul style="list-style-type: none"> <li>▪ Laurie Nathan -Outreach Coordinator, NetSmartz Workshop</li> </ul>	1.86
<b>Speaker's Presentations</b>	
Keynote: Maryland's First Lady Kendel S. Ehrlich	2.42
Maryland Internet Crimes Against Children Taskforce Computer Crimes Against Children <ul style="list-style-type: none"> <li>▪ Detective Sergeant Robert Smolek</li> </ul>	1.52
Deter, Detect, Defend: The FTC's Program on Identity Theft <ul style="list-style-type: none"> <li>▪ <a href="#">Naomi Lefkovitz</a> Division of Privacy and Identity Protection</li> </ul>	2.36

Federal Trade Commission	
Information Security in Today's World <ul style="list-style-type: none"> <li>▪ Casey O'Brien Associate Professor and Network Technology Program Coordinator Community College of Baltimore County (CCBC)</li> </ul>	2.20
Ethical Use of Computers <ul style="list-style-type: none"> <li>▪ Craig Holcomb National Security Agency</li> </ul>	1.69
Keynote Luncheon <ul style="list-style-type: none"> <li>▪ Ron Teixeira Executive Director National Cyber Security Alliance</li> </ul>	2.19
NetSmartz: Keeping Kids and Teens Safer on the Internet <ul style="list-style-type: none"> <li>▪ Laurie Nathan Outreach Coordinator NetSmartz</li> </ul>	1.69
i-SAFE America Empowering Youth to be Safe Online: In the Classroom and Beyond <ul style="list-style-type: none"> <li>▪ Yvonne Pipkin, Professional Development and Outreach Manager</li> </ul>	1.88
CyberSmart <ul style="list-style-type: none"> <li>▪ Jim Teicher Executive Director &amp; CEO The CyberSmart! Education Company</li> </ul>	1.87
iKeepSafe - Faux Paw the Techno Cat Internet Safety Program <ul style="list-style-type: none"> <li>▪ Marsali Hancock, President Internet Keep Safe Coalition</li> <li>▪ Jacalyn S. Leavitt, Chair of Internet Keep Safe Coalition - iKeepSafe Coalition Initiative</li> </ul>	1.87
Online Bullying: The Role of Character Education <ul style="list-style-type: none"> <li>▪ Jacqueline Jones</li> </ul>	2.38
Keynote: Ethics in the Internet Age <ul style="list-style-type: none"> <li>▪ Don McCabe</li> </ul>	1.67
Academic Integrity: Processes and Expectations at the College Level <ul style="list-style-type: none"> <li>▪ Andrea Goodwin Associate Director of the Office of Student Conduct Office of Judicial Programs and Student Ethical Development UMCP</li> <li>▪ Diane Harvey Undergraduate Studies Librarian</li> </ul>	1.55

Keynote: Efforts at the State and National Level ▪ Jayne Moore MSDE ▪ Mila Fuller ISTE	2.0
Combating Plagiarism through NetEdGE ▪ Mary L. Radnofsky CEO, The Socrates Institute, Alexandria, VA	2.09
Copyright Issues in the Digital Environment ▪ Kim Bonner Executive Director, Center for Intellectual Property University of Maryland University College	1.62

What topics would you like to see covered in addition to what was offered in 2006?

1. More CyberSafety information and videos for middle school children
2. Everything was informative and necessary in the issues of today.
3. I would have liked to have seen more topics covered relating to higher education (college level).
4. More on intellectual property, distance learning education and educational technologies, and cyber-cheating.
5. I would like to see the topics extend down to the elementary level as well.

What topics would you like to have included again next year?

1. Same as this year.
2. All of the same.
3. Cyberbullying since I didn't get to that session. Continue with the police force and federal agency involvement so we can learn how to work together- education and law enforcement
4. Security and what to do
5. I thought all of the topics were significant and they all should be included again next year.
6. Plagiarism, Intellectual Property, Student Ethics
7. Internet safety, copyright/intellectual property issues
8. All topics seem relevant. I was only able to attend iSafe so I am in favor of including all topics again next year.
9. Specific technologies that support C3

How could this conference be improved?

1. I would include school cybersafe ethics.
2. Copies of all powerpoint should be made available.
3. Not have a Saturday conference
4. It would've been nice for some, I think, if you had the option to attend almost all the workshops, rather than having to choose one workshop option out of 3.
5. The schedule seemed very flexible, which was nice considering the traffic jam that caught so many people on Friday. However, it might be nice to try to stay a little more on schedule so presenters are left with too little time to communicate their information.

6. Hold it on Tuesday, Wednesday or Thursday, getting home from College Park on Friday it horrible! Forget Saturday. Teachers' weekends are precious and while the information was valuable I shouldn't have to give up a weekend day to get it, when my principal is willing to send me on a school day.
7. The conference could be longer.
8. Classroom space was extremely cramped...have technology helpers available to speakers much more in advance of the sessions...our speaker arrived early to set herself up only to find that someone would come to help her set up with the college equipment instead of her own.

Please list any additional comments or suggestions

1. For the past 2 years I have attended this conference and I was happy to see so many more attending this year. CyberEthics, CyberSafety and CyberSecurity are such important issues in education that I would suggest more advertising throughout the east coast might attract more educators.
2. The topics covered are of great importance, however, it would have been more beneficial to have heard more practical applications for how to address these issues with parents and students.
3. I was an invited guest for Saturday only and so did not have an opportunity to hear the other programs/workshops, which sound excellent as well. I was most impressed by the conference and think it had very practical and relevant information to offer. I would be interested in attending all or part of it again next year. Thank you again for the wonderful opportunity!
4. Transportation was available, but maybe a little "helps" pamphlet would help those of us get around the College Park area. Perhaps the next could be hosted in a hotel and we could simply stay there and attend the conference.
5. The conference committee was very helpful and friendly.
6. Lunch was AWESOME!
7. Having ready made box lunches rather than a serve yourself line....
8. It is a great conference.