

**Internal Control Officers**,

PLEASE DISTRIBUTE THIS EMAIL BROADLY WITHIN YOUR AGENCY OR ORGANIZATION

The Office of the State Controller - Audit, Risk, and Compliance Services presents an internal controls webinar:

#### **CyberSecurity Threats**

- The Webinar will be held on Wednesday, May 20, 2020 and will begin promptly at 10:00 am.
- The Webinar, which is being provided at no charge to all state agencies, universities, and community colleges, qualifies for one (1) Continuing Professional Education (CPE) credit.
- The suggested audience for this webinar includes staff responsible for system and organizational controls.

• For further information, please visit our website at: <a href="https://www.osc.nc.gov/state-agency-resources/training/cpe-events/webinar-cyber-security-threats/webinar-cyber-security-t

#### Register

**Now:** <a href="https://attendee.gotowebinar.com/register/795846347">https://attendee.gotowebinar.com/register/795846347</a> 9425687299

NOTE: This webinar will require a password. Once you have registered, you will receive an email with the webinar and password information. Please be attentive to all email correspondence.

Each participant who plans to view the webinar and/or request CPE credit must register in advance.

#### Important information regarding CPE credit requirements:

- Each participant who plans to receive CPE credit MUST register for the webinar through the registration link provided. No CPE credits will be provided to non-registered participants.
- Each participant who plans to receive CPE credit MUST logon individually to the webinar for a duration of 50 minutes. Your time will be tracked to accurately award CPE credit.
- There will be NO site administrators for this webinar. No CPE credits will be awarded if you watch this as a group.
- During the webinar, participants will be required to respond to three polling questions to receive CPE credit. Your time will be tracked to accurately award CPE credit.
- Participants requesting CPE credit will receive their CPE certificates via email within six weeks of the date of the webinar.

For any questions you have regarding the registration process, please contact Jan Prevo at 919-707-0714 or jan.prevo@osc.nc.gov.



#### **Overview:**

This webinar will provide a high-level overview of Cyber Threats and the State of North Carolina's ongoing Cybersecurity efforts. Cybersecurity incidents are an unfortunate part of everyday life, both in the workplace and at home. Cyber criminals are looking for ways to steal your money and data. Actors, their methods, and subsequent outcomes are discussed. Additionally, North Carolina's efforts to protect and support our citizens, local governments, and businesses from cybercrime and exploitation are examined, as well as Incident Response capabilities.

#### **Objectives:**

To gain an understanding of:

- Cybersecurity Threats
- Resources available from State partners to prevent and mitigate cybersecurity incidents

Date and Time: Wednesday, May 20, 2020 – 10:00 am – 11:00 am

#### Who Will Benefit:

Personnel from State Agencies, Universities, and Community Colleges

#### **CPE Logistics**

CPE Credit: One (1) hour

Field of Study: Information Technology

Materials: Will be provided on OSC website

Instructional Delivery Method: Group internet based

Prerequisites: None

Advance Preparation: None

Level: Basic

Webinar Developer: Department of Public Safety; Department of Information

Technology

Webinar Sponsor: NC Office of the State Controller

**NOTE:** There will be NO site administrator or group registrations for this webinar. During the webinar, participants are required to be individually logged on for no less than 50 minutes of the webinar and respond to three polling questions to receive CPE credit. Your time will be tracked to accurately award 1 hour of CPE credit.

**IMPORTANT:** There will be NO partial credit given. If you watch this as a group, there will be NO CPE credit awarded.

#### Speakers:

#### Thomas J. McGrath - NC Department of Public Safety

BS in Aerospace Engineering from the University of Notre Dame 12 years - Senior Analytical Engineer at Pratt & Whitney Aircraft, East Hartford, Connecticut

23 years – FBI Special Agent, assignments to the Washington Field Office and the Charlotte Division, Raleigh Resident Agency working a variety of matters to include Cyber Crime, and a Detailee to North Carolina's Fusion Center.

March 2018 to Present - North Carolina Department of Public Safety – Division of Emergency Management, North Carolina Fusion Center Cyber Unit Manager

#### Albert Moore – NC Department of Information Technology

Albert Moore has been with the State of North Carolina since 2001 and with NC DIT since 2003 in a variety of roles. Albert joined the Enterprise Security and Risk Management Office (ESRMO) in 2013 as an incident responder. Currently, he manages the NC DIT Security Operations Center (SOC.)

The SOC responds to cybersecurity incidents for the State of NC and has assisted various local governments with large cybersecurity incidents. In addition to responding to cybersecurity incidents, the SOC partners with federal, state, and local governments and cybersecurity vendors to share threat intelligence and assess impact to state resources.

# NC State Office of the Controller 05/20/20 Webinar

Resources and Additional information

NC DPS Emergerncy Management Cyber Unit North Carolina's Fusion Center (NC ISAAC)

NC Department of Information Technology

## How To Report



Major Ongoing Incident - Network Disabled

North Carolina Emergency Management

24 Hour Operations Center

919-733-3300 or 1-800-858-0368

Incidents Identified and Addressed/Addressing

North Carolina Dept. of Information Technology

https://it.nc.gov

"Statewide Cybersecurity Incident Report Form"

Citizen & Small Business

www.fraudsupport.org

Crimes

FBI / Local Police

## Tips from the FBI



- Make sure employees are aware of ransomware and of their critical roles in protecting the organization's data.
- Patch operating system, software, and firmware on digital devices (which may be made easier through a centralized patch management system).
- Ensure antivirus and anti-malware solutions are set to automatically update and conduct regular scans.

## Tips from the FBI, continued



- Manage the use of privileged accounts—no users should be assigned administrative access unless absolutely needed, and only use administrator accounts when necessary.
- Configure access controls, including file, directory, and network share permissions appropriately. If users only need read specific information, they don't need write-access to those files or directories.
- Disable macro scripts from office files transmitted over e-mail.

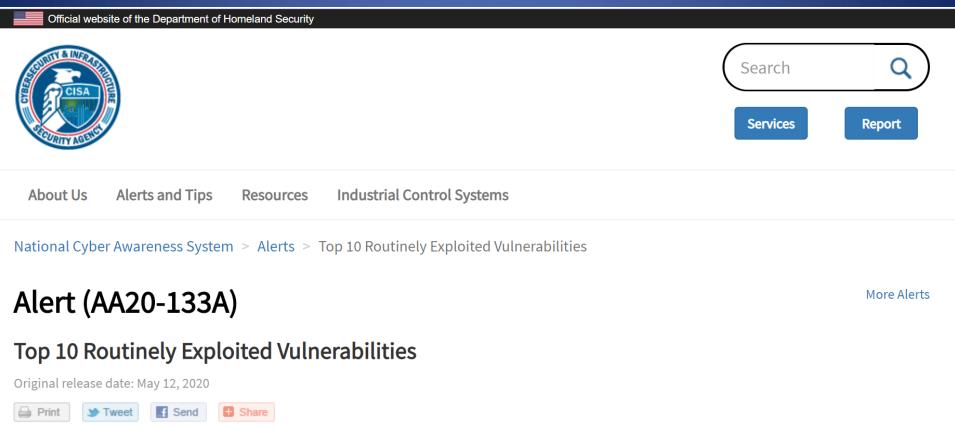
## Tips from the FBI, continued



- Implement software restriction policies or other controls to prevent programs from executing from common ransomware locations (e.g., temporary folders supporting popular Internet browsers, compression/decompression programs).
- Back up data regularly and verify the integrity of those backups regularly.
- Secure your backups. Make sure they aren't connected to the computers and networks they are backing up.

## FBI – DHS CISA 05/12/20





#### Mitigations for the Top 10 Most Exploited Vulnerabilities 2016–2019

**Note:** The lists of associated malware corresponding to each CVE below is not meant to be exhaustive but instead is intended to identify a malware family commonly associated with exploiting the CVE.

#### CVE-2017-11882

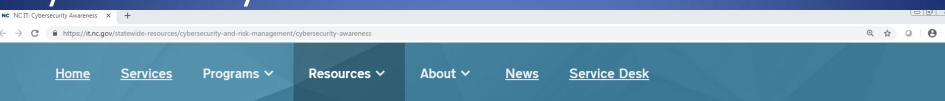
• Vulnerable Products: Microsoft Office 2007 SP3/2010 SP2/2013 SP1/2016 Products

# Donate to Hurricane Recovery

## NC DIT



https://it.nc.gov/statewide-resources/ cybersecurity-and-risk-management/ cybersecurity-awareness



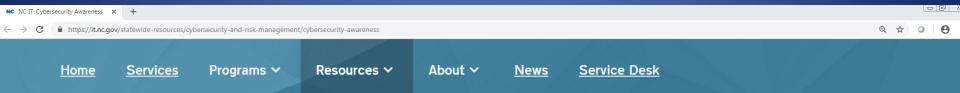
#### Cybersecurity Tips

- Use up to date "anti-virus software"
- Do not open e-mail from unknown sources
- Use "hard to guess" passphrases
- Protect your computer files with a "firewall"
- Don't share your computer with strangers "peer to peer file sharing"
- Update your computer's operating system and applications regularly

- Shut down your computer when not in use
- Use Instant Messengers/Chat wisely
- Make sure you know what to do in the event of a computer infection
- Regularly back-up your computer data
- Use encryption products to protect data
- Take advantage of security features in wireless access points

## **NC DIT**





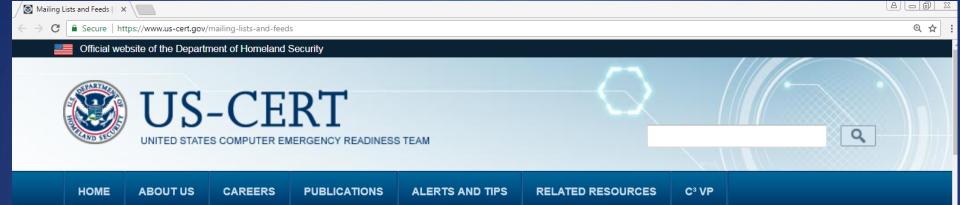
#### **Hot Links**

- Newsletters
  - Center for Internet Security Newsletters
  - SANS OUCH! Security Awareness ☑
- · State of NC Resources
  - Statewide IT Policies
  - o State of NC Information Security Incident Reporting
  - NC Consumer Protection ☑
- Center for Internet Security (CIS) ☑
  - Cybersecurity Toolkit
  - CIS Whitepapers ☑
  - CIS Webinars ☑
- <u>US-CERT</u> ☑
  - <u>Safeguarding Your Data</u>

- Governor's Proclamation for Cybersecurity Awareness Month 🗷 🙍
- 2017 Cybersecurity Awareness Symposium
  - o ESRMO 2017 Incident Training 🗷 👨
  - McAfee Leveraging Threat Intelligence
  - IBM State of NC QRadar Threat Hunting Workshop
- Cyber Crime Prevention Flyers
  - Configuring Facebook ☑ 🗿
  - Configuring Google+ ☑ @
  - Configuring LinkedIn 🗹 📵
  - Configuring Twitter ☑ @
  - o Social Networking Safety Tips 🗷 🔞







#### Information For

#### **Control System Users**

Information for industrial control systems owners, operators, and vendors.

#### **Government Users**

Resources for information sharing and collaboration among government agencies.

#### **Home and Business**

Information for system administrators and technical users about latest threats.

#### **Mailing Lists and Feeds**

US-CERT offers mailing lists and feeds for a variety of products including the National Cyber Awareness System and Current Activity updates. The National Cyber Awareness System was created to ensure that you have access to timely information about security topics and threats.

#### Subscribe to a Mailing List

To make it easier for you to receive the information, US-CERT offers four mailing lists that you can subscribe to. You may choose one or more of the following types of documents:

- . Alerts timely information about current security issues, vulnerabilities, and exploits
- Bulletins weekly summaries of new vulnerabilities. Patch information is provided when available
- Tips advice about common security issues for the general public
- Current Activity up-to-date information about high-impact types of security activity affecting the community at large

## **SANS**





SANS Ouch





ΑII

Shopping

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Settings

Tools

About 442,000 results (0.34 seconds)

#### OUCH! Newsletter | SANS Security Awareness - SANS.org

https://www.sans.org/security-awareness-training/ouch-newsletter ▼

**OUCH!** is the world's leading, free security awareness newsletter designed for everyone. Published every month in multiple languages, each edition is carefully researched and developed by the **SANS** Security Awareness team, instructors and community members.

#### The All New OUCH!

We are super excited to announce that not only is the February ...

More results from sans.org »

#### Securing Your Mobile Devices

Securing Your Devices. It may surprise you to know that the ...

#### SANS Institute: Newsletters

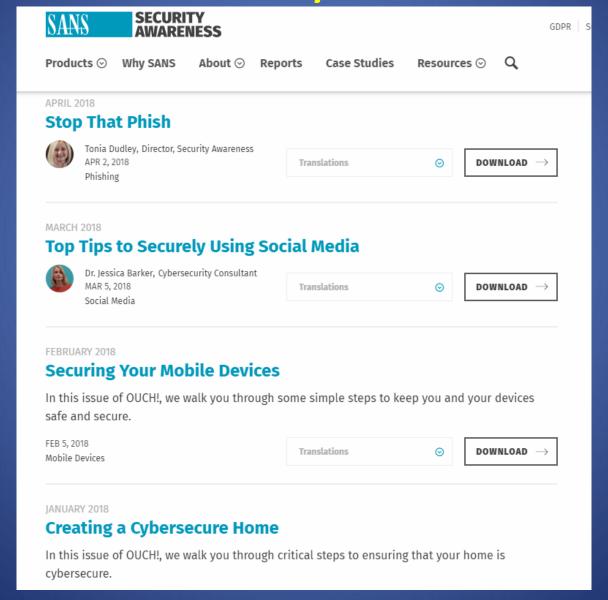
https://www.sans.org/newsletters ▼

**OUCH!** is the world's leading, free security awareness newsletter designed for the common computer user. Published every month and in multiple languages, each edition is carefully researched and developed by the **SANS** Securing The Human team, **SANS** instructor subject matter experts and team members of the ...

Newsbites · RISK · Editorial Board · Security Awareness Newsletter

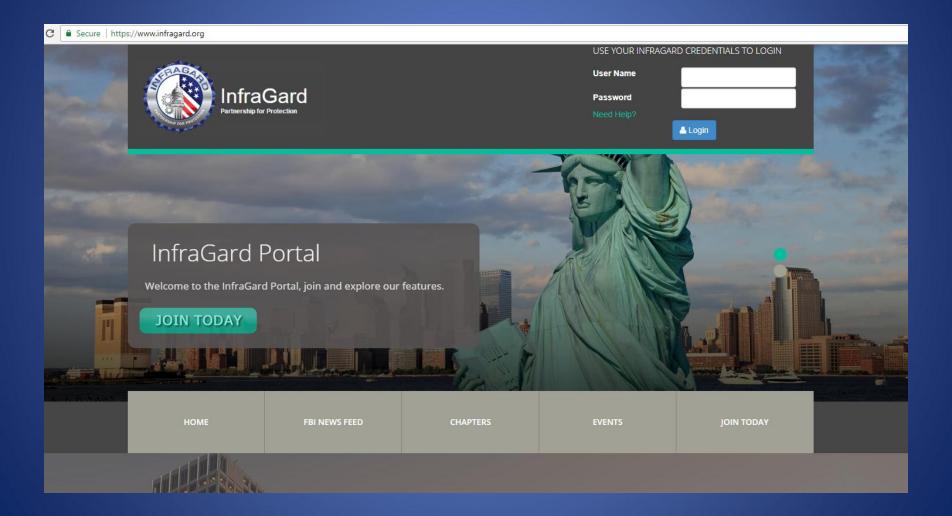


## **SANS Security Awareness**





## www.infragard.org





## **Additional Information**

 The following are some slides containing information and associated resourses intended to address some cyber threats individuals may be exposed to in their personal lives.

## What can you do at home?



- Run <u>updated</u> anti-virus software
- Use a firewall
  - Protects against infiltration and exfiltration
- Email scanner
- Webpage/surfing protection
- The above usually come with a Security Suite which can automatically update and run.
- Update your Operating System
  - Start/Search Update/Windows Update
  - Set it to update automatically



## What can you do at home?

- Use Common Sense ;-)
- Install programs from trusted sources
  - Do not use illegal file sharing programs
  - Do not travel on the dark web
- Do not click on anything unless you know what it is and where it came from
  - Find (Bank) sites on your own
  - Look at the URL
- Never send anyone your password





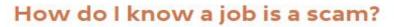
- "Steal" your identifying information
  - Social security number
  - Mother's maiden name
  - Bank account number, user id, password
  - Credit/Debit Card numbers & pin
  - Date of birth
  - Online credentials



## www.consumer.gov



## www.consumer.gov/jobs



Most fake job offers have things in common. A job scam:

- promises you a job
- guarantees that you will make money
- often says you can work at home
- might offer government jobs no one knows about

Scammers advertise fake jobs:

- in the newspaper
- online
- on signs, posters, and flyers

#### What does a fake job offer look like?

An ad for a job that would be a scam might look like this:

#### \$500-\$1,000 PER WEEK GUARANTEED

Work from your own home! Assembly, office work Call 800-555-555



## www.fbi.gov



Secure https://www.fbi.gov/scams-and-safety/common-fraud-schemes/nigerian-letter-or-419-fraud

↑ > SCAMS AND SAFETY > COMMON FRAUD SCHEMES

FBI







#### SCAMS AND SAFETY

About Protecting Your Kids | On The Internet

Common Fraud Schemes

Sex Offender Registry Websites

#### Nigerian Letter or "419" Fraud

Nigerian letter frauds combine the threat of impersonation fraud with a variation of an advance fee scheme in which a letter mailed, or e-mailed, from Nigeria offers the recipient the "opportunity" to share in a percentage of millions of dollars that the author—a self-proclaimed government official—is trying to transfer illegally out of Nigeria. The recipient is encouraged to send information to the author, such as blank letterhead stationery, bank name and account numbers, and other identifying information using a fax number given in the letter or return e-mail address provided in the message. The scheme relies on convincing a willing victim, who has demonstrated a "propensity for larceny" by responding to the invitation, to send money to the author of the letter in Nigeria in several installments of increasing amounts for a variety of reasons.

Payment of taxes, bribes to government officials, and legal fees are often described in great detail with the promise that all expenses will be reimbursed as soon as the funds are spirited out of Nigeria. In actuality, the millions of dollars do not exist, and the victim eventually ends up with nothing but loss. Once the victim stops sending money, the perpetrators have been known to use the personal information and checks that they received to impersonate the victim, draining bank accounts and credit card balances. While such an invitation impresses most law-abiding citizens as a laughable hoax, millions of dollars in losses are caused by these schemes annually. Some victims have been lured to Nigeria, where they have been imprisoned against their will along with losing large sums of money. The Nigerian government is not sympathetic to victims of these schemes, since the victim actually conspires to remove funds from Nigeria in a manner that is contrary to Nigerian law. The schemes themselves violate section 419 of the Nigerian criminal code, hence the label "419 fraud."

#### Tips for Avoiding Nigerian Letter or "419" Fraud:

- If you receive a letter or e-mail from Nigeria asking you to send personal or banking information, do not reply in any manner. Send the letter or message to the U.S. Secret Service, your local FBI office, or the U.S. Postal Inspection Service. You can also register a complaint with the Federal Trade Commission's Complaint Assistant.
- If you know someone who is corresponding in one of these schemes, encourage that person to contact the FBI or the U.S. Secret Service as soon as possible.
- Be skeptical of individuals representing themselves as Nigerian or foreign government officials asking for your help in placing large sums of money in overseas bank accounts.
- Do not believe the promise of large sums of money for your cooperation.
- Guard your account information carefully.



## www.consumer.gov



https://www.consumer.gov/articles/1019-money-wiring-scams



Credit, Loans and



Scams and **Identity Theft** 



Toolbox

#### **Money Wiring Scams**

What It Is

What To Know

What To Do

#### Share This Page

















#### What is wiring money?

When you wire money, you are sending cash to someone far away. This is also called a money transfer.

Many people wire money to family or friends in other cities or countries.

Wiring money is like sending cash. When you wire money, you cannot get the money back.

#### What are money wiring scams?

Dishonest people might convince you to wire money to them. They might say:

- you just won a prize but you have to pay fees to get the prize
- you need to pay for something you just bought online before they send it
- a friend is in trouble and needs your help
- you got a check for too much money and you need to send back the extra

These are not good reasons to wire money. You should never wire money to someone you do not know.

## www.consumer.ftc.gov



FEDERAL TRADE COMMISSION

## CONSUMER INFORMATION

MONEY & CREDIT

HOMES & MORTGAGES

HEALTH & FITNESS

JOBS &

# Fake kidnappers cause genuine loss

October 20, 2015 by Bridget Small Consumer Education Specialist, FTC

Phone scammers spend their days making trouble. They waste our time, tie up our phone lines and harass us with ugly language. Some do much, much worse. The FTC has heard from people who got calls from scammers saying, "I've kidnapped your relative," and naming a

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#### Stories

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Home • News • Stories • 2014 • November • Virtual Kidnapping • Avoid Becoming a Victim of Virtual Kidnapping

#### **Avoid Becoming a Victim of Virtual Kidnapping**

#### 11/04/14

In one example of virtual kidnapping, criminals targeted the parents of a young woman traveling in Mexico—whose phone and contact information they had stolen—and told the family they would cut off her fingers unless money was wired to them immediately. A female accomplice screamed in the background for effect. (The woman whose phone was taken was never in danger, and didn't know of the scheme until she contacted her family later.)

For criminals, the success of any type of virtual kidnapping depends on speed and fear. They know they only have a short time to exact a ransom payment before the victims and their families unravel the scam or authorities become involved.

#### Story Index

By Date

#### By Subject

- Art Theft
- Civil Rights
- Counterterrorism
- Crimes Against Children
- Criminal Justice Information Services
- Cyber Crimes
- Director/FBI Leadership
- Field Cases
- Communicate plans ahead of time
- Know some phone numbers
  - But they are in my (stolen/lost) phone
- Call



## **Other Scams**



- Telephone calls
  - Grandparent
    - "This is your oldest granddaughter and I am in trouble and need bail money, don't tell mom and dad..."
  - IRS
- Prey on the elderly
- And...If it seems too good to be true...



## www.ic3.gov



## Federal Bureau of Investigation Internet Crime Complaint Center(IC3)



Home

File a Complaint

Press Room

About IC3

Lost Password

#### Filing a Complaint with the IC3

The IC3 accepts online Internet crime complaints from either the actual victim or from a third party to the complainant. We can best process your complaint if we receive accurate and complete information from you. Therefore, we request that you provide the following information when filing a complaint:

- Your name
- Your mailing address
- Your telephone number
- The name, address, telephone number, and Web address, if available, of the individual or organization you believe defrauded you.
- Specific details on how, why, and when you believe you were defrauded.
- Any other relevant information you believe is necessary to support your complaint

Welcome to the IC3



Site Navigation

Alert Archive

**FAQs** 

Disclaimer

**Privacy Notice** 

**Internet Crime Prevention Tips** 



## www.ic3.gov



# Federal Bureau of Investigation Internet Crime Complaint Center(IC3)



Home

File a Complaint

Press Room

About IC3

Lost Password

#### **Internet Crime Prevention Tips**

Internet crime schemes that steal millions of dollars each year from victims continue to plague the Internet through various methods. Following are preventative measures that will assist you in being informed prior to entering into transactions over the Internet:

Auction Fraud

Counterfeit Cashier's Check

Credit Card Fraud

Debt Elimination

DHL/UPS

Employment/Duciness Opportunities

Welcome to the IC3



Site Navigation

**Alert Archive** 

FAQs

Disclaimer



## FBI Counterintelligence Brochures

■ Secure https://www.fbi.gov/investigate/counterintelligence



#### **Counterintelligence Brochures**

- Economic Espionage: Protecting America's Trade Secrets
- Elicitation Techniques
- The Insider Threat: An Introduction to Detecting and Deterring and Insider Spy
- Intellectual Property Protection: Safeguard Your Company's Trade Secrets, Proprietary Information, and Research
- Safety and Security for the Business Professional Traveling Abroad
- · Visitors: Risks and Mitigations
- Internet Social Networking Risks
- The Key to U.S. Student Safety Overseas
- Safety and Security for U.S. Students Traveling Abroad
- Higher Education and National Security: The Targeting of Sensitive, Proprietary, and Classified Information on Campuses of Higher Education
- Best Practices in Supply Chain Risk Management for the U.S. Government

#### **Counterintelligence News**

**Featured Story** 

## Study Abroad?



#### Telephone, Laptop & PDA Security

If you can do without the device, Do Not Take It!

Do not leave electronic devices unattended. Do not transport them (or anything valuable) in your checked baggage. Shield passwords from view. Avoid Wi-Fi networks if you can. In some countries they are controlled by security services; in all cases they are insecure.

Sanitize your laptop, telephone, & PDA, prior to travel and ensure no sensitive contact, research, or personal data is on them. Back-up all information you take and leave that at home. If feasible, use a different phone and a new email account while traveling.



**Use up-to-date protections** for antivirus, spyware, security patches, and firewalls. Don't use thumb drives given to you – they may be compromised.

During the Beijing Olympics, hotels were required to install software so law enforcement could monitor the Internet activity of hotel guests.

Clear your browser after each use: delete history files, caches, cookies, and temporary internet files.

In most countries, you have no expectation of privacy in Internet cafes, hotels, airplanes, offices,



or public spaces. All information you send electronically (fax, computer, telephone) can be intercepted, especially wireless communications. If information might be valuable to another government, company or

group, you should assume that it will be intercepted and retained. Security services and criminals can track your movements using your mobile phone and can turn on the microphone in your device even when you think it is turned off.

Beware of "phishing." Foreign security services and criminals are adept at pretending to be someone you trust in order to obtain personal or sensitive information.

If your device is stolen, report it immediately to the local US Embassy or Consulate.

Change all your passwords including your voicemail and check devices for malware when you return.

Cyber criminals from numerous countries buy and sell stolen financial information including credit card data and login credentials (user names and passwords).

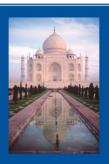
#### **Upon Your Return**

Report any unusual circumstances or noteworthy incidents to your study abroad program manager and to the FBI. Notifying the FBI will help ensure that future travel advisories take into consideration the circumstances and incidents you encountered. It is not uncommon for foreigners to contact you after your return. The FBI may be able to help you determine if these contacts pose any risk to you.

U.S. Department of Justice Federal Bureau of Investigation









## SAFETY AND SECURITY for US Students Traveling Abroad

Living and studying in another country will be an enriching and rewarding experience, especially if you are prepared and take certain precautions.

This brochure will introduce you to threats you may face and provide

Did You Know?

Groups of children and teens may swarm you and forcibly steal your personal belongings.



"Act Smart. Be Safe."

Important Numbers

Reminder

## Internet Social Networking Risks





## **DHS.GOV**





#### Stop. Think. Connect.

Join the Campaign

Toolkit

Blog

National Cyber Security Awareness Month

Videos

Promotional Materials

About the Campaign

Contact Us

#### Stop.Think.Connect.

The Stop.Think.Connect. Campaign is a national public awareness campaign aimed at increasing the understanding of cyber threats and empowering the American public to be safer and more secure online. Cybersecurity is a shared responsibility. We each have to



Click here for the latest information and find out how to get involved.

do our part to keep the Internet safe. When we all take simple steps to be safer online, it makes using the Internet a more secure experience for everyone.

#### Cyber Tips and Resources





## Safe Online Surfing (FBI)











#### Safe Online Surfing

The FBI Safe Online Surfing (FBI-SOS) program is a nationwide initiative designed to educate children in grades 3 to 8 about the dangers they face on the Internet and to help prevent crimes against children.

It promotes cyber citizenship among students by engaging them in a fun, age-appropriate, competitive online program where they learn how to safely and responsibly use the Internet.

The program emphasizes the importance of cyber safety topics such as password security, smart surfing habits, and the safeguarding of personal information.

For more information, visit the Safe Online Surfing website.



## www.netsmartz.org



About Us

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MissingKids.com

NetSmartzKids.org

NSTeens.org

**F** Like

Login Regis

Language: English









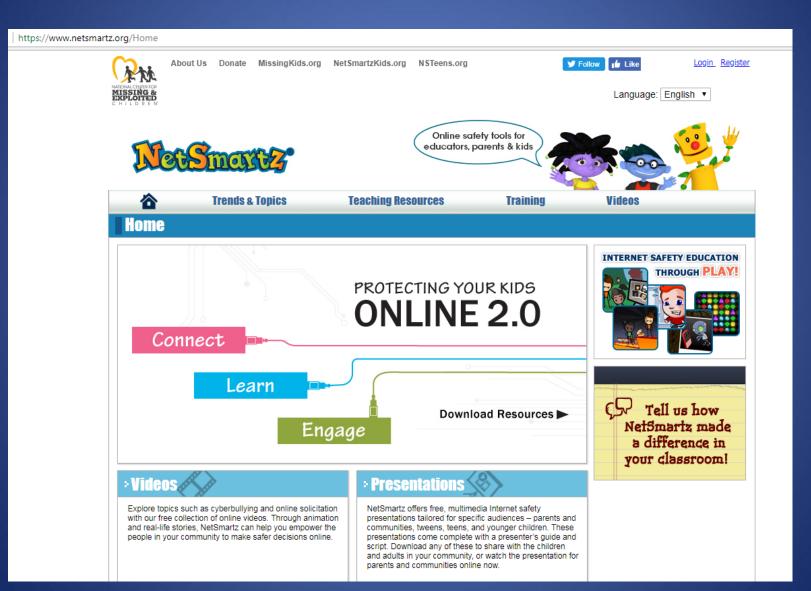






## www.netsmartz.org





### www.netsmartz.org





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MissingKids.org NetSmartzKids.org

NSTeens.org





Login Register

Language: English ▼



Online safety tools for educators, parents & kids





**Trends & Topics** 

**Teaching Resources** 

Training

**Videos** 

### LEARN V

- SOCIAL MEDIA SITES & APPS
- MESSAGING, VIDEO CHAT & **EMAIL** NEW
- CELLPHONES
- CYBERBULLYING
- GAMING
- ONLINE PRIVACY
- BASIC INTERNET SAFETY
- MORE

### TEACH \*\*

- LESSON PLANS
- PRESENTATIONS
- SAFETY PLEDGES
- TIP SHEETS

#### WATCH ·

- NETSMARTZKIDS
- **NSTEENS**

### **Real-Life Stories**

NetSmartzKids (Ages 5-10)

(Ages 8-12)

Teens Talk Back (Ages 8-17)

Real-Life Stories (Ages 11-17)

These teen materials take a more serious tone than the other NetSmartz resources; they focus on reallife stories shared by actual teens who have experienced victimization firsthand and encourage teens to learn from their peers' mistakes. The narratives teach teens to recognize risky behaviors and evaluate their online choices, and encourage them to communicate with trusted adults.



Are you sure you know who vou're talking to online?



Split Decisions



6 Degrees of Information



Two Kinds of Stupid



Your Photo Fate



Survivor Diaries



Broken Friendship



You Can't Take It Back



Julie's Journey



Amy's Choice

## **CYBERBULLYING**



- Found Everywhere Phones, computers
- PublicVisible to anyone
- Constant
   School, play, home
- Viral Social mediums



## Final Thoughts



- There is no magic computer program to protect you, your family, or your electronics (computers & phones)!
- Use Common Sense.
- Have a family discussion.
  - Include all media: TV, Movies, Music, Video games
- This does require work on your part.
  - Congratulations on your start!
- Thank you!

## Webinar Presenters



Tom McGrath

NC DPS - Division of Emergency Management

**NC ISAAC Fusion Center** 

Mobile: 919-740-1197

Tom.McGrath@ncdps.gov / TMcGrath@ncsbi.gov

Albert Moore

NC Department of Information Technology

Enterprise Security Risk Management Office

Office: (919) 754-6245

Albert.Moore@nc.gov



Cybersecurity Threats Webinar

May 20, 2020 – 10:00 – 11:00 AM

Speaker - Albert Moore – Department of Information Technology

Albert Moore has been with the State of North Carolina since 2001 and with NC DIT since 2003 in a variety of roles. Albert joined the Enterprise Security and Risk Management Office (ESRMO) in 2013 as an incident responder. Currently, he manages the NC DIT Security Operations Center (SOC.)

The SOC responds to cybersecurity incidents for the State of NC and has assisted various local governments with large cybersecurity incidents. In addition to responding to cybersecurity incidents, the SOC partners with federal, state, and local governments and cybersecurity vendors to share threat intelligence and assess impact to state resources.

# Cybersecurity Threats Webinar May 20, 2020 – 10:00 – 11:00 AM Speaker Tom McGrath – Department of Public Safety (Emergency Management)

BS in Aerospace Engineering from the University of Notre Dame 12 years - Senior Analytical Engineer at Pratt & Whitney Aircraft, East Hartford, Connecticut

23 years – FBI Special Agent, assignments to the Washington Field Office and the Charlotte Division, Raleigh Resident Agency working a variety of matters to include Cyber Crime, and a Detailee to North Carolina's Fusion Center.

March 2018 to Present - North Carolina Department of Public Safety – Division of Emergency Management, North Carolina Fusion Center Cyber Unit Manager

2020 Cyber Security Threats Webinar May 20, 2020

### Attendees by Last Name (315)

Harriet Abraham Lunsford - OSA Carolyn Aguiar - UNC Charlotte

Janis Alford - OSHR Robert Alford - OSC

Angela Allen - UNC Charlotte Jennifer Anderson - UNC Charlotte

Matthew Andrade - OSA

Jennifer Arenas - Central Piedmont CC

Jacob Argent - OSA

Jina Armia - Battleship NC

Monica Arney - Western Piedmont CC

Sonja Austin - UNC Charlotte

Cyndi Autenrieth - UNC Charlotte

Kristina Autio - OSHR Steven Ayers - ECU Tyler Badgett - OSA Debra D Bailev - ECU

Scott Baker - Southwestern CC Bret Barbee - Piedmont CC

Sandy Barnes - OSC

Ruth Bartholomew - UNC Health Care

Alicia Bartosch - UNC Charlotte Deana Bauer - Randolph CC

Andrew Beamon - OSA

Donald Beck - Davidson County CC Randle Bennett - UNC Greensboro

Anna Best - DEQ Jeannie Betts - DHHS Sharon Bielejeski - OSA

Justin Bishop - UNC Greensboro John Blevins - UNC Health Care

Judy Blount - DPI

Jamette Blue - UNC Charlotte Katina Blue - UNC Pembroke

Melva Bonner - ECU

Darlene Booker - UNC Charlotte Charles Boulineau Jr - ECU

Dee Bowling - ECU Vicki Braddy - DPS Maryssa Bradley - Central Piedmont CC Norma Brice - Rowan-Cabarrus CC

Bob Broda - OSA

Kevin Brodie - NC Housing Finance

Connecia Brown - OSA Lori Brown - UNC Charlotte Pearl Brown - UNC Charlotte

Leon Browning - UNC System Office Ray Buehne - UNC Pembroke Kim Buffkin - Battleship NC Monique Bunch - DES

Nicholas Bunner - OSA Fabian Burch - OSA

Terrie Burris - UNC Charlotte

Joannie Burtoft - OSC Brian Busch - Martin CC Ashley Byrd - OSA

Timothy Byrd - UNC Health Care Kellie Cain - UNC Pembroke

Edith Cannady - OSC

Marion Cantor - UNC Charlotte

Kevin Carraway - ECU
Clay Carroll - OSA
Wynona Cash - OSC
Angeika Chafalovitch - DOA
Sherry Chance - UNC Pembroke

Susan Charlton - DPS
Steve Chase - Wildlife
Robin Chasteen - Nash CC
Chase Chilson - OSA
Caroline Chrismon - OSA

Cathy Clark - OSA

Bruce Cole - Cleveland CC

Kris Collum - OSA

Jennifer Coltrane - NCSU

Audancie Constant - UNC Charlotte

Ann Corbly - OSA

Benjamin Cornelius - OSA

Tamera Court - DOT

Adrienne Covington - Nash CC Yolonda Crim - UNC Greensboro

Julia Crocker - OSA Jared Cronk - OSA Juan Cruz - GTCC

Samantha Csarnogusky - NC CC System

Donna Cumbie - Carteret CC

Chuck Dail - OSA

Renetta Darity - UNC Charlotte

Garrett Davis - OSA

Sherri Davis - Randolph CC

Kathy Delk - ECU

Marie Dilan - UNC Charlotte

Sara Domby - OSA

Michelle Donegain - UNC Pembroke

Lisa Dooley - UNC Charlotte Melissa Dorman - DOT Carol Dornseif - Nash CC Claudia Drenan - ISA

Debbie Dryer - UNC System Office Pamela Duff - UNC Charlotte

Nyra Eason - OSA

Candy Edwards - Battleship NC Cindy Edwards - UNC Charlotte

Felicia Edwards - DEQ

Kathy Edwards - UNC Charlotte

William Ehricht - OSA
Lauren Eiswirth - OSA
Sarah Ekis - UNC Charlotte
Elizabeth Elder - DPS
Jolene Elkins - DHHS
Natasha Ellis-Smith - Pitt CC

Wendy Emerson - UNC School of the Arts

Monique Emery - UNC Charlotte Leah Englebright - NC SSM

Antoinette Everett - OSA

Lacy Ensley - Western Carolina University

Bonaventure Ezewuzie - DPI Lori Fennimore - UNC Charlotte Denice Ferguson - UNC Charlotte Mary Fisher - UNC Charlotte Jaime Fleisher - Agriculture Richard Flenory - OSA AJ Fluker - DHHS Anthony Fogleman - OSA

Carol Fornes - ECU Linda Forsberg - OSHR

LaShonna Frederick - A & T State University Carrie Freeman - Housing Finance Agency

Tyler Fry - OSA Ronald Fulton - OSA Lisa Gaetano - Western Carolina University

Victor Gardner - OSA
Cheryl Garner - Carteret CC
Linda Garr - UNC Health Care
Daffie Garris - Randolph CC

Lauren Gates - Central Piedmont CC

Nancy Gemma - Agriculture Susan Gentry - Albemarle College Tami George - Robeson CC Tony Georges - UNC Charlotte

Paula Gholston - OSA

Jason Gautier - Surry CC

Douglas Gilbert - Agriculture

Anne Godwin - OSC

Ashley Graham - Gaston College

Jeff Green - OSA Melinda Green - OSA

Christina Greene - Cape Fear CC

Kirk Grice - Pitt CC

Paul Grosswald - UNC Health Care Elizabeth Grovenstein - NC CC System

Angela Gunn - OSA

Leslie Gura - UNC Health Care

Freda Hall - OSC

Annette Hamilton - UNC Charlotte
Jennifer Hamm - Catawba Valley CC
Adriane Hankerson - Wake Tech CC

Latonya Hankins - OSA

Carol Harris - UNC System Office Ellen Harris - UNC Charlotte Jonathan Harris - Mitchell CC

Luke Harris - DOT

Courtney Hart - Nash CC Carol Hartley - UNC Charlotte

Elizabeth Haynes - USS NC Battleship

Cynthia Hefren - OSA

Annette Heller - UNC Charlotte Lisa Helton - Caldwell CC Linda Henning - UNC Hospitals

Bob Herring - DOT

Diana Hill - UNC Charlotte
Katherine Hilliard - OSHR
Shannon Hobby - Commerce
Elizabeth Hodge - Nash CC

Vicki Holzknecht - Southwestern CC

Ron Horn - GTCC Sonva Lawrence - DOT Tim Morris - ECU Stephen Reeves - NC CC System Maribel Lazo - NC Utilities Commission Dannie Moss - ECU Joanne Rich - UNC Health Care Heather Horton - Commerce Kwoklin Lee - UNC Health Care Chris Murph - DHHS Sandra Richards - OSA Kelley Horton - Central Piedmont CC Ricky Horton - Agriculture Siew Lee - DPS Clayton Murphy - NCSU Arthur Richardson - DIT Linda Lejnar - Wake Tech CC Tammy House - Nash CC Molly Murphy - UNC Charlotte Michael Roberts - OSA Gloria Howell - DHHS Nolan Lilley - Pitt CC Lauren Myatt - UNC Pembroke Leonora Robinson - UNC Charlotte Frances Hunt - UNC Pembroke Tabitha Locklear - UNC Pembroke Robert Newby - Vance-Granville CC Tameka Robinson - UNC System Office Mary Hunter - ECU Tvshea Long - OSA Kevin Newman - ECU Tarveras Rogers - UNC Charlotte Christina Jackson - OSA Xingjie Lu - UNC Health Care Zach Rogers - OSA Cathy Nichols - UNC Charlotte Debbie Jackson - UNC Health Care Matthew Ludwig - OSA Kim Noeum - Agriculture Tracy Rose - Housing Finance Agency Kyle Jackson - Nash CC Cristina MacDowall - Agriculture Hans Norland - DPS Debbie Roseman - UNC Charlotte Tahnett Mack - UNC Charlotte Jessica Rosera - UNC Hospitals Michael Jackson - A & T State University Nancy Norris - Western Piedmont CC Elaine Jacobs - UNC Charlotte Melissa Madrid - DPI Callie Northern-Herring - DWS Kara Rouse - OSHR Lacie Jacobs - Bladen CC Chris Malone - Carteret CC Gwen Norwood - UNC Chapel Hill William Rudd - DOT Brandon James - OSA Jessica Mapes - OSA Melanie Nuckols - Forsyth Technical CC Amy Samperton - Fayetteville Technical CC Shivani Jani - OSC Lily Mariano - Nash CC Jennifer Pacheco - OSC Mindy Sanders - OSA Bryan Jenkins - NC CC System Holly Martin - NC CC System Cameron Padgett - OSA Joanie Saucier - OSC Robert Saunders - UNC Greensboro Shannon Jenkins - UNC Charlotte Jo Ann Martin - DHHS Padmashree Paluri - DIT Bud Jennings - AOC Angelica Martins - UNC Charlotte Youngjin Park - UNC Charlotte Kathryn Scarabelli - ECU Elizabeth John - OSHR Hillary Matthews - Western Carolina University Annette Parks - UNC Charlotte Susan Schena - UNC Health Care Lori Johnson - NCSU Robin Mayo - ECU Cynthia Patterson - Craven CC Adrian Scott - OSA Regina Johnson - UNC Charlotte Mark Mazzone - OSA Alice Paul - Southeastern CC Pamela Scully - Fayetteville Technical CC Angela Johnston - AOC Antone McClain - OSA Patty Peeblesp - ECU Jane Seo - OSA Joanne Jones - UNC Greensboro Jeff McEntire - Isothermal CC Kevin Pelch - OSA Rob Sewell - UNC Charlotte Kasev Jones - UNC-Pembroke Kim McGlamery - OSA Amy Penson - Isothermal CC Peta-Gaye Shaw - Commerce Blake Kannarr - NCSU Marianne McKnight - OSA Carolyn Perkins - UNC Hospitals Rashmi Shivaraj - UNC Health Care Kim Kelley - NCSU Kent McLamb - OSA Malinda Peters - General Assembly Katherine Shiveler - UNC Health Care Robert Kellev - OSHR Leanne McLaughlin - OSA Johnny Peterson - Craven CC Leila Sinclair - UNC Pembroke Jeramee Kerl - OSA Ben McLawhorn - OSC Katherine Skinner - OSA Stephanie Pflum - UNC Greensboro Zach McLawhorn - OSA Phacharawalai Kidking - OSC Constance Phelps - Roanoke Chowan CC Patricia Sloop - DPS David King - Wake Tech CC Gregory Plemmons - Western Carolina University Sheena Smallwood - UNC Charlotte Cindy McNeil - OSHR Ginger King - UNC Pembroke Sharon Mendenhall - Southeastern CC Wayne Poole - ECU Betty Smith - Fayetteville Technical CC David Kochersberger - Southwestern CC Joel Mercer - DHHS Katie Potts - OSA Dana Smith - DIT Jihe Koo - OSA Gwen Messer - Nash CC Jan Prevo - OSC Randy Smith - OSC Chance Kornegay - ECU Eric Meymandi - DPS Phillip Price - Central Piedmont CC Rod Smith - UNC Chapel Hill Heidi Kozlowski - NCSU Courtney Michelle - OSC Ryan Prince - OSA Alison Soles - Southeastern CC Karen Miller - UNC-Pembroke Deborah Sorrell - OSA Ariana Kudlats - NC Housing Finance Kathy Qualls - UNC Greensboro Terry Lane - Isothermal CC Laketha Miller - DHHS Stephanie Quist - ECU Michael Spivey - OSA Karin Langbehn-Pecaut - UNC Chapel Hill Peter Miller - OSA Amparo Ramos - UNC Charlotte Tabatha Springer - Western Carolina University Christy Langdon - UNC Charlotte Andrea Millington - DPS George Randlett - DPS Crystal Stallings - Central Piedmont CC Darlene Langston - DPS Alina Misiunas - OSA Robin Rapkin - DOT Jay Stanley - Bladen CC Denise Langston - OSA Firoza Mistry - UNC Health Care Taylor Rauschenberg - UNC Charlotte Ida Stavenger - UNC Charlotte Kevin Lanzikos - OSA Todd Mitchell - UNC Greensboro Raghav Reddy - UNC Health Care Fave Steele - ECU Alice LaRocca - UNC Charlotte Seong Woon Mo - UNC Health Care Jade Reed-Kreis - UNC Charlotte David Steinbicker - Western Carolina University Fran Lawrence - State Treasurer Cathryn Moose - OSA Kyle Reeves - OSA Gina Steinbicker - Western Carolina University

Jeff Stevens - UNC Health Care

Samantha Stevens - USS NC Battleship

Bridget Stipicevic - UNC Charlotte

Joel Stocks - ECU

Brittany Stockstill - ECU

John Storment - UNC Health Care

Robin Strader - UNC Charlotte

Keith Strand - Western Piedmont CC

Jason Strickland - Southeastern CC

Shante Stringfield - OSA

Shirley Swanson - Catawba Valley CC

Lindsay Tabbi - OSA

Zachary Tarlton - UNC Charlotte

Marla Tart - Wake Tech CC

Jessica Thomas - UNC Charlotte

Sara Thorndike - ECU

Shannon Thrift - DPS

Donnie Tim - DPS

Debbie Todd - Fayetteville Technical CC

Kathy Tolbert - OSC

Kathryn Torres - Fayetteville Technical CC

Karen Tucker - UNC Pembroke

Pamela Tyson - OSA

Roshmi Valiyapurayil - UNC

Kimberly Van - DEQ

Prabhavathi Vijayaraghavan - OAH

Sarah Von Stein - ECU

Brian Walker - OSA

Peggy Walker - DEQ

Patty Wall - Southwestern CC

Christopher Wallace - OSA

Megan Wallace - UNC System Office

Adam Watts - OSA

Deb Weatherbee - OSA

Edward Wells - OSA

Kerin Weston - UNC Charlotte

Amber Wilkes - DHHS

Chandra Williams - UNC Charlotte

Laura Williams - UNC Charlotte

Joe Wilson - DOT

Kimberly Winters - OSHR

Steven Woodruff - Rockingham CC

Anthea Wu - OSA

Brenda Yarborough - DPS

Daniel Yarborough - UNC Health Care

Yelena Zaytseva - OSA Fang Zuo - UNC Charlotte 2020 Cyber Security Threats Webinar May 20, 2020

### Attendees by Agency (315)

LaShonna Frederick - A & T State Univ Michael Jackson - A & T State University

Jaime Fleisher - Agriculture Nancy Gemma - Agriculture Douglas Gilbert - Agriculture Ricky Horton - Agriculture Cristina MacDowall - Agriculture Kim Noeum - Agriculture

Susan Gentry - Albemarle College

**Bud Jennings - AOC** Angela Johnston - AOC Jina Armia - Battleship NC Kim Buffkin - Battleship NC Candy Edwards - Battleship NC Lacie Jacobs - Bladen CC Jay Stanley - Bladen CC

Lisa Helton - Caldwell CC

Christina Greene - Cape Fear CC Donna Cumbie - Carteret CC Chervl Garner - Carteret CC Chris Malone - Carteret CC

Jennifer Hamm - Catawba Valley CC Shirley Swanson - Catawba Valley CC Jennifer Arenas - Central Piedmont CC Maryssa Bradley - Central Piedmont CC Lauren Gates - Central Piedmont CC Kelley Horton - Central Piedmont CC

Phillip Price - Central Piedmont CC Crystal Stallings - Central Piedmont CC

Bruce Cole - Cleveland CC Heather Horton - Commerce Shannon Hobby - Commerce Peta-Gaye Shaw - Commerce Cynthia Patterson - Craven CC

Johnny Peterson - Craven CC

Donald Beck - Davidson County CC

Anna Best - DEQ Felicia Edwards - DEQ Kimberly Van - DEQ

Peggy Walker - DEQ Monique Bunch - DES

Jeannie Betts - DHHS Jolene Elkins - DHHS

AJ Fluker - DHHS Gloria Howell - DHHS Jo Ann Martin - DHHS

Joel Mercer - DHHS Laketha Miller - DHHS Chris Murph - DHHS Amber Wilkes - DHHS

Dana Smith - DIT

Padmashree Paluri - DIT Arthur Richardson - DIT

Angeika Chafalovitch - DOA

Tamera Court - DOT Melissa Dorman - DOT Luke Harris - DOT Bob Herring - DOT Sonya Lawrence - DOT Robin Rapkin - DOT William Rudd - DOT Joe Wilson - DOT

Judy Blount - DPI

Bonaventure Ezewuzie - DPI

Melissa Madrid - DPI Siew Lee - DPS Eric Mevmandi - DPS Andrea Millington - DPS Hans Norland - DPS George Randlett - DPS Patricia Sloop - DPS Donnie Tim - DPS

Brenda Yarborough - DPS Vicki Braddy - DPS

Susan Charlton - DPS Elizabeth Elder - DPS Darlene Langston - DPS Shannon Thrift - DPS

Callie Northern-Herring - DWS

Steven Ayers - ECU Debra D Bailey - ECU Melva Bonner - ECU Charles Boulineau Jr - ECU

Dee Bowling - ECU

Kevin Carraway - ECU Kathy Delk - ECU Carol Fornes - ECU

Mary Hunter - ECU

Tim Morris - ECU

Chance Kornegay - ECU Robin Mayo - ECU

Dannie Moss - ECU Kevin Newman - ECU Patty Peeblesp - ECU

Wayne Poole - ECU

Stephanie Quist - ECU Kathrvn Scarabelli - ECU Fave Steele - ECU

Joel Stocks - ECU Brittany Stockstill - ECU Sara Thorndike - ECU Sarah Von Stein - ECU

Betty Smith - Fayetteville Technical CC Debbie Todd - Favetteville Technical CC Kathryn Torres - Favetteville Technical CC Melanie Nuckols - Forsyth Technical CC Ashley Graham - Gaston College

Malinda Peters - General Assembly

Juan Cruz - GTCC Ron Horn - GTCC

Carrie Freeman - Housing Finance Agency Tracy Rose - Housing Finance Agency

Amy Samperton - Fayetteville Technical CC

Pamela Scully - Fayetteville Technical CC

Claudia Drenan - ISA Terry Lane - Isothermal CC Jeff McEntire - Isothermal CC Amy Penson - Isothermal CC Brian Busch - Martin CC Jonathan Harris - Mitchell CC

Robin Chasteen - Nash CC Adrienne Covington - Nash CC Carol Dornseif - Nash CC Courtney Hart - Nash CC Elizabeth Hodge - Nash CC Tammy House - Nash CC Kyle Jackson - Nash CC Lily Mariano - Nash CC

Gwen Messer - Nash CC

Samantha Csarnogusky - NC CC System Elizabeth Grovenstein - NC CC System

Bryan Jenkins - NC CC System Holly Martin - NC CC System Stephen Reeves - NC CC System Kevin Brodie - NC Housing Finance Ariana Kudlats - NC Housing Finance

Leah Englebright - NC SSM

Maribel Lazo - NC Utilities Commission

Jennifer Coltrane - NCSU Lori Johnson - NCSU Blake Kannarr - NCSU Kim Kellev - NCSU Heidi Kozlowski - NCSU Clayton Murphy - NCSU

Prabhavathi Vijayaraghavan - OAH Harriet Abraham Lunsford - OSA

Matthew Andrade - OSA Jacob Argent - OSA Tyler Badgett - OSA Andrew Beamon - OSA Sharon Bieleieski - OSA

Bob Broda - OSA Connecia Brown - OSA Nicholas Bunner - OSA Fabian Burch - OSA Ashley Byrd - OSA Clav Carroll - OSA Chase Chilson - OSA

Caroline Chrismon - OSA Cathy Clark - OSA Kris Collum - OSA Ann Corbly - OSA

Benjamin Cornelius - OSA

Julia Crocker - OSA Jared Cronk - OSA Chuck Dail - OSA Garrett Davis - OSA Sara Domby - OSA Nyra Eason - OSA William Ehricht - OSA Lauren Eiswirth - OSA Antoinette Everett - OSA RIchard Flenory - OSA Anthony Fogleman - OSA Tyler Fry - OSA Brian Walker - OSA Alison Soles - Southeastern CC Christy Langdon - UNC Charlotte Christopher Wallace - OSA Ronald Fulton - OSA Jason Strickland - Southeastern CC Victor Gardner - OSA Adam Watts - OSA Scott Baker - Southwestern CC Paula Gholston - OSA Deb Weatherbee - OSA Vicki Holzknecht - Southwestern CC Jeff Green - OSA Edward Wells - OSA David Kochersberger - Southwestern CC Melinda Green - OSA Anthea Wu - OSA Patty Wall - Southwestern CC Angela Gunn - OSA Yelena Zavtseva - OSA Fran Lawrence - State Treasurer Robert Alford - OSC Latonva Hankins - OSA Jason Gautier - Surry CC Cynthia Hefren - OSA Sandy Barnes - OSC Roshmi Valiyapurayil - UNC Christina Jackson - OSA Joannie Burtoft - OSC Karin Langbehn-Pecaut - UNC Chapel Hill Brandon James - OSA Edith Cannady - OSC Gwen Norwood - UNC Chapel Hill Jeramee Kerl - OSA Wynona Cash - OSC Rod Smith - UNC Chapel Hill Jihe Koo - OSA Anne Godwin - OSC Carolyn Aguiar - UNC Charlotte Freda Hall - OSC Denise Langston - OSA Angela Allen - UNC Charlotte Kevin Lanzikos - OSA Shivani Jani - OSC Jennifer Anderson - UNC Charlotte Tyshea Long - OSA Phacharawalai Kidking - OSC Sonja Austin - UNC Charlotte Matthew Ludwig - OSA Ben McLawhorn - OSC Cyndi Autenrieth - UNC Charlotte Jessica Mapes - OSA Courtney Michelle - OSC Alicia Bartosch - UNC Charlotte Mark Mazzone - OSA Jennifer Pacheco - OSC Jamette Blue - UNC Charlotte Antone McClain - OSA Jan Prevo - OSC Darlene Booker - UNC Charlotte Kim McGlamery - OSA Joanie Saucier - OSC Lori Brown - UNC Charlotte Marianne McKnight - OSA Randy Smith - OSC Pearl Brown - UNC Charlotte Kent McLamb - OSA Kathy Tolbert - OSC Terrie Burris - UNC Charlotte Leanne McLaughlin - OSA Janis Alford - OSHR Marion Cantor - UNC Charlotte Zach McLawhorn - OSA Kristina Autio - OSHR Audancie Constant - UNC Charlotte Peter Miller - OSA Linda Forsberg - OSHR Renetta Darity - UNC Charlotte Alina Misiunas - OSA Katherine Hilliard - OSHR Marie Dilan - UNC Charlotte Cathryn Moose - OSA Elizabeth John - OSHR Lisa Dooley - UNC Charlotte Cameron Padgett - OSA Robert Kelley - OSHR Pamela Duff - UNC Charlotte Kevin Pelch - OSA Cindy McNeil - OSHR Cindy Edwards - UNC Charlotte Katie Potts - OSA Kara Rouse - OSHR Kathy Edwards - UNC Charlotte Ryan Prince - OSA Kimberly Winters - OSHR Sarah Ekis - UNC Charlotte Kyle Reeves - OSA Bret Barbee - Piedmont CC Monique Emery - UNC Charlotte Sandra Richards - OSA Natasha Ellis-Smith - Pitt CC Lori Fennimore - UNC Charlotte Michael Roberts - OSA Kirk Grice - Pitt CC Denice Ferguson - UNC Charlotte Nolan Lilley - Pitt CC Zach Rogers - OSA Mary Fisher - UNC Charlotte Mindy Sanders - OSA Deana Bauer - Randolph CC Tony Georges - UNC Charlotte Adrian Scott - OSA Sherri Davis - Randolph CC Annette Hamilton - UNC Charlotte Jane Seo - OSA Daffie Garris - Randolph CC Ellen Harris - UNC Charlotte Katherine Skinner - OSA Constance Phelps - Roanoke Chowan CC Carol Hartley - UNC Charlotte Deborah Sorrell - OSA Tami George - Robeson CC Annette Heller - UNC Charlotte Michael Spivey - OSA Steven Woodruff - Rockingham CC Diana Hill - UNC Charlotte Shante Stringfield - OSA Norma Brice - Rowan-Cabarrus CC Elaine Jacobs - UNC Charlotte Lindsay Tabbi - OSA Sharon Mendenhall - Southeastern CC Shannon Jenkins - UNC Charlotte Pamela Tyson - OSA Alice Paul - Southeastern CC Regina Johnson - UNC Charlotte

Alice LaRocca - UNC Charlotte Tahnett Mack - UNC Charlotte Angelica Martins - UNC Charlotte Molly Murphy - UNC Charlotte Cathy Nichols - UNC Charlotte Youngiin Park - UNC Charlotte Annette Parks - UNC Charlotte Amparo Ramos - UNC Charlotte Taylor Rauschenberg - UNC Charlotte Jade Reed-Kreis - UNC Charlotte Leonora Robinson - UNC Charlotte Tarveras Rogers - UNC Charlotte Debbie Roseman - UNC Charlotte Rob Sewell - UNC Charlotte Sheena Smallwood - UNC Charlotte Ida Stavenger - UNC Charlotte Bridget Stipicevic - UNC Charlotte Robin Strader - UNC Charlotte Zachary Tarlton - UNC Charlotte Jessica Thomas - UNC Charlotte Kerin Weston - UNC Charlotte Chandra Williams - UNC Charlotte Laura Williams - UNC Charlotte Fang Zuo - UNC Charlotte Randle Bennett - UNC Greensboro Justin Bishop - UNC Greensboro Yolonda Crim - UNC Greensboro Joanne Jones - UNC Greensboro Todd Mitchell - UNC Greensboro Stephanie Pflum - UNC Greensboro Kathy Qualls - UNC Greensboro Robert Saunders - UNC Greensboro Ruth Bartholomew - UNC Health Care John Blevins - UNC Health Care Timothy Byrd - UNC Health Care Linda Garr - UNC Health Care Paul Grosswald - UNC Health Care Leslie Gura - UNC Health Care Debbie Jackson - UNC Health Care Kwoklin Lee - UNC Health Care Xingiie Lu - UNC Health Care Firoza Mistry - UNC Health Care Seong Woon Mo - UNC Health Care Raghav Reddy - UNC Health Care

Joanne Rich - UNC Health Care

Susan Schena - UNC Health Care

Rashmi Shivaraj - UNC Health Care

Katherine Shiveler - UNC Health Care

Jeff Stevens - UNC Health Care

John Storment - UNC Health Care

Daniel Yarborough - UNC Health Care

Linda Henning - UNC Hospitals

Carolyn Perkins - UNC Hospitals

Jessica Rosera - UNC Hospitals

Katina Blue - UNC Pembroke

Ray Buehne - UNC Pembroke

Kellie Cain - UNC Pembroke

Sherry Chance - UNC Pembroke

Michelle Donegain - UNC Pembroke

Frances Hunt - UNC Pembroke

Ginger King - UNC Pembroke

Tabitha Locklear - UNC Pembroke

Lauren Myatt - UNC Pembroke

Leila Sinclair - UNC Pembroke

Karen Tucker - UNC Pembroke

Wendy Emerson - UNC School of the Arts

Leon Browning - UNC System Office

Debbie Dryer - UNC System Office

Carol Harris - UNC System Office

Tameka Robinson - UNC System Office

Megan Wallace - UNC System Office

Kasey Jones - UNC-Pembroke

Karen Miller - UNC-Pembroke

Elizabeth Haynes - USS NC Battleship

Samantha Stevens - USS NC Battleship

Robert Newby - Vance-Granville CC

Adriane Hankerson - Wake Tech CC

David King - Wake Tech CC

Linda Lejnar - Wake Tech CC

Marla Tart - Wake Tech CC

Lacy Ensley - Western Carolina University

Lisa Gaetano - Western Carolina University

Hillary Matthews - Western Carolina University

Gregory Plemmons - Western Carolina University

Tabatha Springer - Western Carolina University

David Steinbicker - Western Carolina University

Gina Steinbicker - Western Carolina University

Monica Arney - Western Piedmont CC

Nancy Norris - Western Piedmont CC

Keith Strand - Western Piedmont CC Steve Chase - Wildlife