Welcome to the 1st CIACAM
The Vision behind the 1st Professional ACM Chapter in Minnesota and Upper Midwest
Message by Dr. Firasat Khan, Twin Cities ACM Chapter and CIACAM Chair

The Twin Cities ACM Professional Chapter has been fortunate to partner with the UMN Technological Leadership Institute and ACM-W Chapter to make the first Colloquium on Information Assurance, Cybersecurity, and Management a reality. This new educator and practitioner-engagement avenue is foreseen as an annual gathering showcasing original research and demonstrations in related disciplines.

This 1st CIACAM has a rich program of four industry/educator panels on academic/workforce issues, enterprise security management, safeguarding communities, and risk management and audit/legal compliance. The illustrious panelists promise to engage in deep and probing discussions on wide-ranging issues. During the afternoon we have assembled thirteen original presentations on works in the themes of academia, cybersecurity and information assurance, and management of technology and security, and general computing topics.

We hope to sustain and grow CIACAM with your continued participation in the coming years. Focusing on three objectives:

- Engage more ACM Chapters and other peer associations like IEEE and AJS.
- Solicit a larger set of original works by students, faculty and professionals.
- Strengthen the collaboration between academia and industry.

Enjoy the networking opportunity. Thank you for making CIACAM a success with your participation.

The CIACAM Host Committee
Dr. Firasat Khan, Metropolitan State University (Chair, CIACAM 2019)
Director Mike Johnson, UMN Technological Leadership Institute (Co-Chair)
President Hannah Brand, UMN ACM-W Chapter (Co-Chair)

The CIACAM Planning Council
Dr. Jim Chen, St. Cloud State University of Minnesota
Steve Creason, J.D., Metropolitan State University (Legal Compliance Lead)
Mr. John Haffous, Metropolitan State University, Mankato (Risk Management Lead)
Mr. Michael Hart, Minnesota State University Mankato (Academic Issues Lead)
Dr. Faisal Kaleem, Metropolitan State University (Cybersecurity Lead)
Mr. Mike Kearn, US Bank and Metropolitan State University (Enterprise Security Lead)
Dr. Sarah Kruse, Minnesota State University Mankato
Dr. Mark Schmidt, St. Cloud State University
Mr. Ted Wallerstedt, US Bank and Metropolitan State University (Audit Lead)

ACM Minneapolis Professional Chapter
Dr. Firasat Khan, Chair, Metropolitan State University
Dr. Rajeev Bukralia, Vice Chair, Minnesota State University, Mankato
Dr. Yohannes Tadesse, Treasurer, Metropolitan State University

CIA CAM 2019 Schedule
Coffman Memorial Union, Mississippi Room

8:00 – 8:45
Check-in and Breakfast

8:45 – 9:00
Welcome by Director Mike Johnson, UMN Technological Leadership Institute, and Hannah Brandt, President UMN ACM-W Chapter

Introduction by Dr. Firasat Khan, Chair, CIACAM Council & Twin Cities ACM

9:00 – 9:50
ACM Distinguished Keynote by Dr. Chuck Easttom

10:00 – 10:50
Academic Issues & Workforce Development Panel

11:00 – 11:50
Enterprise Security Management Panel

11:50 – 12:40
Lunch in Mississippi Room

12:45 – 1:30
Safeguarding Communities Across America Panel

1:40 – 3:40
Rooms 323/24/25: Breakouts for Presentations in three tracks (see below)

Room 323: Education B
1:40: At the convergence of industry and academia: The Map & Gap project to Design Industry-Responsive Curriculum (David Bahn, Firasat Khan, Simon Jin, Steve Creason)

Room 324: Cybersecurity
2:05: How to phish 400 users on a major university campus and get away with it (Marco Diaz, Dustin Nelson)

2:30: A Study on Improving Low-Board Malware Detection through Comparative Machine Learning Classifiers (Ralph Julesaint, Michael Hart)

2:55: Cybersecurity Maturity Model for Smart Connected Buildings and A Roadmap to Secure Smart Cities (Mangaya Sivagnanam)

3:20: The Impact of Users’ Forced Compliance with Personal Information Provision on Perceived Betrayal in Privacy Breach (Simon Jin, Firasat Khan)

Room 325: Management B

1:40: Your Private Information as the Currency for the Social Network Services (Simon Jin)

2:10: Can a mashup of FinTech, blockchain, and M-Pesa mitigate corruption in Sub Saharan Africa? (Erk Westgard, Firasat Khan, Sammy Marwa, Justus Oguta)

2:40: Warning Signs and Red Flags: An in-depth look into Occupational Fraud as a means for Prevention, Deterrence and Detection (Demond Daniels)

3:10: Effective Security Strategies for a Small Energy Plant (Farid Shalla, Faisal Kaleem)

3:50 – 4:30
Risk Management/Audit/Legal Compliance Panel

4:30
Closing, Door Prizes! Be present to win.

Colloquium on Information Assurance, Cybersecurity and Management
CIACAM 2019
May 24, 2019
Hosted by
Enterprise Security Management Panel

Harshul Mehta (CISO, CarlsonWagonlit)
Harshul is a seasoned information security leader with more than a decade of experience across Risk Management, Security Governance, Compliance Management, Payment Security and Security Office. He has held various consulting and leadership roles across the globe delivering high value security consulting projects. Harshul is currently Chief Information Security Officer at CarlsonWagonlit where he is responsible globally for information security program interfacing with business and stakeholders for aligning security with the business objectives and delivering a sustainable and secure environment. Before CarlsonWagonlit, he held various consulting roles in KPMG, Verizon and Wiley Consulting Services. Harshul holds a Bachelor’s degree in Information Technology with specialization in Information Security along with various information security credentials like CISP, CISA and CISM.

John Valente (CISO, 3M)
John Valente serves as the chief information security officer at 3M. He has a degree in mechanical engineering from Fairfield University in Connecticut. After a long career at Citibank, Peps, Dell and Best Buy, John joined 3M in 2014. John’s career has focused mainly on IT infrastructure, architecture, and management. He has experience in building and managing large global organizations and has focused on information security, risk and compliance for over a decade. He serves on several security executive advisory boards.

Moderator Mike Karmo (US Bank)
Mike serves as the VP, Security Risk & Technology Consulting at US Bancorp. A seasoned senior leader with expertise in building and managing large global organizations and has focused on information security, risk and compliance. He has significant experience in technology, financial services, retail, and government. Before US Bank, Mike led security management within KPMG, Verizon and Wipro Consulting Services. Harshal holds a Bachelor’s degree in Information Technology with specialization in Information Security along with various information security credentials like CISP, CISA and CISM.

Management/Audit/Legal Compliance Panel

Steve Crossen, J.D. (Metropolitan State University)
Steve Crossen is the Department Chair in MIS and an attorney and professional consultant in information technology. He has consulted with companies such as Allianz, CarlsonWagonlit, Blue Cross, and Firstave. He has extensive experience in technical and legal aspects of cyber security and privacy, and has knowledge in HIPAA, S Dix, DLR, FINRA, and SEC data compliance issues. Prior to becoming an independent consultant, Crossen was a technical architect at Accenture working in the utilities and telecommunications practice groups. Crossen teaches courses in Management Information Systems and in the Cybersecurity and Privacy Law Certificate Program at Mitchell Hamline School of Law.

John Benninghoff (Information Risk Officer/Software Engineering, Express Scripts)
John Benninghoff is a long-time student and practitioner of managing information risk. He currently leads the Application Security Practice at Express Scripts, integrating security into the company’s emerging DevOps practice through better quality engineering. His 20-year career in Information Security includes diverse experience in financial services, retail, and government, building a Network ISS and later a vulnerability management platform using open source software, security incident response, identity and access management, policy 8 standards, security architecture, and many compliance initiatives. He is currently pursuing a Masters of Science in Managing Risk and Systems Change at Creighton University with the goal of adapting proven systems risk management methodologies to information technology, and improving reliability outcomes in what has become a safety-critical industry.

Moderator John Hafers (CISO, MSU Markotek)
John Hafers is an IT security leader able to interact with all levels within an organization. He has over a decade of experience as CISO, CDO, FAIR, FAIR, Certified in Computer Science from the University of Minnesota. He is a longstanding leader in the Society of Information Analysts.

Moderator Ted Menendez (US Bank)
Ted brings a high level of specialized knowledge and expertise and information industry experience related to Information Technology and IT Security. Prior to joining the audit department at US Bank, Ted was an auditor at the University of Minnesota and TCF Bank. Ted also holds Adjunct faculty positions at Metropolitan State University and Saint Thomas University. Ted holds a Bachelor’s degree in Information Technology. Ted brings to the table over 30 years of experience providing physical and logical security protection and assurance for personnel, physical assets, and information. Ted is a Past President of both MIN-GAQA and the Upper Midwest Security Alliance.

Academic Issues & Workforce Development Panel

Dr. Kyle Swanson (Dean, College of Sciences, Metropolitan State University)
Dr. Kyle Swanson, is the Dean of the College of Sciences at Metropolitan State University. Prior to joining Metropolitan State, he held the positions of Professor, Department Chair and Associate Dean in the College of Letters and Science at the University of Wisconsin-Milwaukee. He is the author or coauthor of over 40 peer-reviewed scientific articles, appearing in such journals as Science, Proceedings of the National Academy of Sciences and Physical Review Letters. He has given over 50 interviews and talks, including presentations at NIST, University of Michigan, University of Wisconsin, and the California Institute of Technology. At UW-Milwaukee, he was instrumental in the implementation of remedial mathematics reform at institutional scale, as well as integrating early college career experiences for STEM majors. For these and other activities, he was awarded the UW-Milwaukee Distinquished Faculty Service Award in 2008.

Dr. Steve Hawkins (VP, Clump)
Steve Hawkins is one of the founders of Integral Solutions, Now Change. He has over 20 years of IT experience that includes extensive experience in technology, training, management, and compliance. Steve has a degree in Computer Science and has knowledge in HIPAA, SOX, GLBA, FINRA, and SEC data compliance issues. Prior to becoming an independent consultant, Crossen was a technical architect at Accenture working in the utilities and telecommunications practice groups. Crossen teaches courses in Management Information Systems and in the Cybersecurity and Privacy Law Certificate Program at Mitchell Hamline School of Law.

Moderator Michael Hart (CISO, MSU Markotek)
Michael Hart is an Assistant Professor in the Computer Information Science Department at Metropolitan State University. He has a passion for information security education and currently serves as the faculty advisor for the university’s student security organization. Michael served in executive level IT positions for over a decade prior to his focus on teaching at MSU.

Moderator Mike Johnson (Director, UMN Technological Leadership Institute)
Mike Johnson serves as the director of graduate studies for the Master of Science in Technology Security degree program at ULI. He also develops, teaches and administers graduate level courses in security technologies innovation, management and leadership, as well as participates in the development and delivery of customized short courses and professional development programs in response to industry needs. He brings more than 25 years of professional experience in security risk management, formerly serving as CISO and Operations Risk Director at Bremer Bank, and has gained broad skills in the areas of IT and information security risk management in a heavily regulated industry.

Safeguarding Communities Panel

Col. Stephanie Hovorka (CIO, Minnesota Board, Councils, and Commissions, GpEMO)
Stephanie Hovorka is a Chief Business Technology Officer for Minnesota Information Technology (MNIT) responsible for establishing Information Technology services and capabilities to Minnesota Boards and Commissions. She also oversees the Enterprise Program Management Office (MPMO), defining IT Project Management policies and standards for Executive Branch agencies. Prior to this position, Stephanie was the J6 Director for the MN Army National Guard, serving as the program manager for identified and unclassified networks and network services used by 10,000 soldiers over 75 sites in the State of Minnesota from 2002-2018. Stephanie is a combat veteran of Operation Iraqi Freedom, she received a Bronze Star for her service there as the local signal officer responsible for integrated classified and unclassified network operations covering nine southern provinces of Iraq from 2003-05. Stephanie holds a Master’s of Strategic Studies from the US Army War College and is MISTI/CISD certified. She is a current Advisory Board member for the Minneapolis Cyber Security Summit and previously co-chaired the 2008 Summit. She is also a current member of ISACA and CISA.

Jim Nash (F5Security)
Jim has a public speaker for more than 25 years in various roles speaking to groups of all sizes. He worked in the IT world for the best 10 years and is a passionate advocate for information security in his role as a chief information officer. Jim is currently working for F5Security as a Chief Security Officer. Prior to joining F5Security, Jim was a partner in a fast growing IT staffing and project firm. Jim spent 80 years working with customers and channel partners to understand clients’ needs and create specific solutions to address them. Jim began his passionate journey on Information Security in conjunction with his work in his company and state and local government. Jim infuses humor and irreverence into his presentations and makes his audience feel that they are able to ask any questions and expect change in their organization.

Moderator Faisal Kaleem (Metropolitan State University)
Dr. Kaleem is an experienced shadowing cybersecurity practitioners. His current research work is to identify key characteristics of cyber security practitioners through the use of augmented reality (AR) in addition to identifying A4R’s privacy issues. His other research interests include multiple aspects of cybersecurity including cybercrime and forensic curriculum development, Computer and Network Security, mobile device security and forensics, and mobile malware analysis and attribution. He is the recipient of many grants from the National Science Foundation (NSF), National Security Agency (NSA), and Intel Corporations, as well as grants from the state of Minnesota. Dr. Kaleem has also established MN Cyber—a statewide initiative for Cybersecurity and forensics research and education. He is currently serving as the Executive Director of MN Cyber. He is also the co-founder and executive member of Metropolitan Cyber Career Consortium (M3CC), whose mission is to address Minnesota’s cybersecurity workforce needs and to help assist Minnesota businesses in handling cyber risks.