University of Fairfax
Newsletter Publications

University of Fairfax Newsletter

UF Cyber Bytes

Volume #2 (Summer 2024)

Knowledge University - UF Cyber Bytes

Welcome to summer 2024 newsletter! While continuing to summer season in the northern hemisphere, we are excited to share with you the latest updates, news, and events about the University of Fairfax. In UF Cyber Bytes, we're committed to keeping you informed about our ongoing efforts to provide you with equipped content on cyber security and information technology education. Our goal is to provide you with valuable insights, resources, and opportunities to help you stay ahead in the ever-changing landscape. We've curated content that we believe will be of interest to you, whether you're a student, alumni, or simply someone who is passionate about technology and cybersecurity. We're also excited to highlight some of the exciting things that are happening at the University of Fairfax, including new programs, faculty achievements, and student success stories. We hope you enjoy reading this newsletter as much as we enjoy putting it together. If you have any feedback or suggestions for future issues, please don't hesitate to reach out to us. Thanks, Prof. Dr. Hamid Jahankhani, DSc, UF

Message from the Chief Academic Officer

Dr. S. Ghanavati, Ph.D. (Computer Science), Chief Academic Officer (CAO), University of Fairfax Associate Professor in Artificial Intelligence & Machine Learning, Software Networks, Programmable Network Infrastructure.

Dear Students, Faculty, and Community Members,

I am thrilled to share some exciting news about the recent growth and achievements of the University of Fairfax. Over the past six months, our institution has experienced a period of impressive UK+ offering the rising demand for high-quality education programs. While our growth has been substantial, we remain committed to academic excellence and rigorous standards, ensuring that our graduates receive a world-class education that prepares them for success in their chosen fields.

One of the key factors contributing to our growth has been the dedication and hard work of our faculty and staff. Their tireless efforts in delivering engaging and effective instruction have been instrumental in attracting and retaining top talent. We are grateful for their contributions and look forward to continuing to support their professional development.

Thank you for being a part of our journey, and we look forward to hearing from you.

Dr. Ghanavati, CAO, UF

Alumni Spotlight: new member - Advisory Board, Computer Science, Cybersecurity University of Fairfax

Dr. Yasmin Rasoul, CMO, Wessex INTERNATIONAL Cloud Computing
Chief Marketing Officer (Contractor) (CMO) Cybersecurity, Application Security, Cloud, Data Science, Blockchain
Managing Technologies - Blockchain Author
Dubai, United Arab Emirates

Dr. Yasmin Rasoul's ... success story to be told

After completing her EdD.Information Assurance, Dr. Yasmin implemented into an independent researcher and has published articles on Compliance and Cybersecurity in reputable journals such as Elsevier.
https://www.elsevier.com/books/cyber-risk-governance/rasoul/978-0-443-15784-0

Dr. Yasmin Rasoul is a Chief Marketing Officer (Contractor) (CMO) Cybersecurity, Application Security, Cloud, Data Science, Blockchain Managing Technologies - Blockchain Author with 20+ years of experience in Fintech/Insurance industry with a strong background in IT Governance, Risk Management, Compliance, Cyber Security, Data Science, Blockchain, Cloud Computing, Application Management, Cybersecurity, and Service delivery in various industries.

Dr. Rasoul worked as an adjunct professor in Cybersecurity at the Wenzel Academy of Higher Education, United Arab Emirates. She is a Certified Information Systems Auditor (CISA), Certified Information Security Manager (CISM), Certified in Risk and Information Systems Control (CRISC), and Certified in Governance of Enterprise IT (CGEIT). She has been a speaker at many conferences on emerging technologies and Cybersecurity domain for various organizations in the UAE.

Dr. Rasoul has published several trainings on Information Security Management System, Data privacy, Business Continuity Management System, Information Service Management System, Cloud Computing, Blockchain, and Cybersecurity. She is also a core committee member of many organizations and is a member of the Board of Directors for the Information Systems Audit and Control Association (ISACA) in the UAE. As an Industrial Advisory Board member, Dr. Yasmin Rasoul is a distinguished thought leader of Information Security Governance, Risk Management, Compliance, Cyber Security, Data Science, Blockchain, Cloud Computing, Application Management, Cybersecurity, and Service delivery in various industries.

We welcomed Dr. Rasoul as our new member of the Advisory Board for Computer Science & Engineering and Cybersecurity.

Message from the Director of International Student Affairs / PSSO ...

Hello students,

I am pleased to welcome you all to the Director of International Student Affairs / PSSO. I am here to support you in any way I can to make your time at our academic journey with us. I am excited to connect with you and support your success. Whether you have questions about your academic program, cultural diversity, talent, and unique perspectives to our university community. I understand that studying in a new country can be both exciting and challenging, and I am here to help. I am committed to providing comprehensive support to ensure your academic success and well-being. Please feel free to reach out to me at any time if you have any questions or concerns. I look forward to meeting you and working with you to make your time at our university a positive and rewarding experience.

Please do not hesitate to reach out to me at my desk if you have any questions or concerns. I look forward to meeting you and working with you to make your time at our university a positive and rewarding experience. I am committed to providing comprehensive support to ensure your academic success and well-being. Please feel free to reach out to me at any time if you have any questions or concerns. I look forward to meeting you and working with you to make your time at our university a positive and rewarding experience.

The future depends on what you do today. Happy learning!

Rebekah Custer

Rebekah Custer
Director of International Student affairs,PSSO
rcuster@ufairfax.edu

Lori Lee Kresge
B.S. in Criminal Justice
Master of Public Administration
M.A. ESL
Certificate in Project Leadership in an I-BE Leadership
Project Management in Managing as a STEAM Leader
Certificate in Project Leadership in an I-BE Leadership
Economics, Community and Policy - PHP, Bachelor's
Certificate in Project Leadership
Certifications:
Certified Public Accountant (Professional (PHP)
Certified Low Risk Agile Project Risk
(IAAP) Certified Digital Networking - Professional
Level 3

University of Fairfax doctoral student - volunteered at the Special Olympics

Lori Lee Kresge, a doctoral student at the University of Fairfax, has been actively engaged in various philanthropic activities within the community and beyond. Olympics. As the winner of the prize, she received cash sponsorship. It stated with the purpose of providing opportunities for individuals with intellectual disabilities to participate in sports and physical activities, fostering inclusivity and promoting their well-being. Lori Lee's dedication to the Special Olympics has been commendable. She has been actively involved in various aspects of the organization, including coaching, volunteering at events, and raising funds. They had trained Lori's commitment, enthusiasm, and positive attitude have made a significant impact on the athletes she has worked with.

Lori's involvement in the Special Olympics has not only benefited the athletes but also Veterans. Cheering from the stands, sharing in their victories, and celebrating their achievements has created a sense of camaraderie and support that is invaluable to the athletes. Lori Lee's dedication to the Special Olympics is truly inspiring. Her commitment to promoting inclusivity and empowering individuals with intellectual disabilities is a testament to the power of sports to bring people together and create positive change in society. Veterans make a difference every day. Remember, volunteering is a two-way street. You'll receive as much as you give.

Fairfax Bytes: New Undergraduate Programs

Beginning of 2024 the University of Fairfax introduced the following undergraduate programs:

Bachelor of Science in Network Administration (BSNA)
Bachelor of Science in Network Administration and Cybersecurity (BSNC)

Why enroll in BSNA?

BSNA graduates will work as network administrators and computer systems administrators. They will be responsible for the day-to-day operation of an organization's computer networks. BSNA graduates will perform advanced server configuration, network management, and security. Will work with and implement virtualization, cloud computing, and software-defined networking.

Why enroll in BSNC?

BSNC graduates will design, develop, and implement secure networks at the enterprise level. BSNC graduates will perform advanced network administration and cybersecurity. Will perform network modeling, sophisticated vulnerability assessments, and lead hardening functions. Will work with and manage network devices such as switches, routers, gateways, and

Message from the Director of Admissions ...

It is always wonderful engaging with so many prospects coming from various backgrounds and countries. Our admissions team is here to help you every step of the way and we are proud of it. It is to make the application process as fast and smooth as possible. The Office of Recruitment and Admissions are available to speak with our students from 9:00 AM to 5:00 PM (GMT) Monday to Friday.

We are a diverse professional and professional team who are always dedicated to making our students succeed in their respective fields and careers. My team is here to help you every step of the way and we are proud of it. It is to make the application process as fast and smooth as possible. We are available to speak with our students from 9:00 AM to 5:00 PM (GMT) Monday to Friday. Our goal is to make your journey at University of Fairfax that may start from our undergraduate degree programs to your graduate degree. Please contact me at **mbonnet@ufairfax.edu** if you have any questions or concerns. I look forward to meeting you and working with you.

Dr. Monica Bonnet, Director of Admissions

UF Admissions Team - always ready to meet!

meet the team

Dr. Monica Bonnet
Director of Admissions
University of Fairfax

Adriana M. Duval
Associate Director of Admissions
University of Fairfax

Mykola Tarnita
Associate Director, Director of Admissions
Masters in Information Technology
University of Fairfax

Nina Gaug, MBA/IT
Admissions Representative
University of Fairfax

Hiren Burgan
Admissions Representative
Masters in Computer Sci. & Engineering
University of Fairfax

Rohit Rao
Admissions Representative
University of Fairfax

Deepa Ballabh Sharma
Admissions Representative
Doctorate of Info. Assurance enrolled.
University of Fairfax

Sreenivas Mada
Admissions Representative
Masters in Comp. Science & Engineering
enrolled.
University of Fairfax

Srinivasa Tawarpalle
Admissions Representative
Master of Science - Info. Technology Driven
ality of Fairfax

Ahmadullah Amer
Admissions Representative
Doctorate in Business Administration
nrolled.
University of Fairfax

Aditi Rana
Admissions Representative
Doctorate in Business Administration
nrolled.
University of Fairfax

UF Accolades

Publication by Dr. Sahasakti Soomro (joint publication)
Publisher: IGI Xplore

M. R. Belgaum et al., "Swift Secure Adaptive Reliable Routing Protocol for Mobile Ad-Hoc Networks," 2018 Fifth International Networking 14-IEEE Access, vol. 7, pp. 70386-70397, 2019, doi: 10.1109/ACCESS.2019.2914791.

Go to publication

Conference paper Dr. Sahasakti Soomro (joint publication)
Publisher: Advance in Emerging Information and Communication Technology, Springer
Book Series: Lecture Notes in Signals and Communication Technology (LNTCT)
Included in the following conference series:
International Conference on Advances in Emerging Information and Communication Technology (AEICT)

Momtahi, M., Imami, N., Al Rashon, M.S., Vahedi, M., Rahmani, A., **Soomro, S.** (2021). **Mission Problem:** Intelligent Multi-Agent Simulation for Embedded Spacecraft Engineering. In: Fan, CI., Pathan, ME., Chen, B., Xiang, Y., Xu, S. (eds) Security, Privacy, and Anonymity in Computation, Communication, and Storage. SpaCCS 2021. Lecture Notes in Computer Science(), vol 13157. Springer, Cham. https://doi.org/10.1007/978-3-030-96391-1_26

Go to publication

Presentation by Dr. Sandra Fonseca Ltrd, Professor, University of Fairfax

Paper presentations:
Presentation by Dr. Sandra Fonseca, University of Fairfax
"Towards Using Web Services Technologies for Improving the Performance of Data Security Program for Cyber Application and Data Governance"
The International Academy of Business and Public Administration Disciplines (IABPAD)
IABPAD Conference, January 5-8, 2016 at the Double Tree Hotel, Orlando Airport, New Orleans, Louisiana

Dr. Sandra Fonseca Ltrd, Professor, University of Fairfax
Paper and Presentation 1 of 5 Gamification for Inclusive Cybersecurity Awareness and Training
Paper and Presentation 2 of 5 Improving the Performance Corporate Security Program for Cyber Application and Data Governance
Paper and Presentation 3 of 5 Cyber Security Education Initiatives for Productive Collaboration in Remote Settings
https://globalresearch.com/awards/2024/remote-learning

Dr. Sandra Fonseca Ltrd
Project Management Excellence Awards, at James Cook School of Business and Law

Go to publication

Publication by: Ali, Pandya, and Varma, University of Fairfax

Qualitative vs quantitative: the difference in the key sections of doctoral dissertations - A COMPARATIVE ANALYSIS and a Summary of Findings
Ali, Asad, Pandya, Shankey, Varma, Umesh
2024

International Journal of Research Studies
Informing Science Institute
<https://www.informingscience.org/>

Doctoral students often face challenges in selecting a qualitative or quantitative research approach for their dissertations, which can lead to delays and confusion. This study aims to address this issue by examining the key sections of doctoral dissertations, including the problem statement, purpose statement, research questions, and methodology, to identify the distinguishing features of qualitative and quantitative research approaches. The study also seeks to provide guidance to doctoral students on the appropriate research approach to adopt based on their research problem and objectives. The study employs a comparative analysis of 10 doctoral dissertations, 5 qualitative and 5 quantitative, from various disciplines. The dissertations were selected using a purposive sampling technique, and their key sections were analyzed using a content analysis framework. The findings reveal that qualitative dissertations tend to have more open-ended problem statements, broader purpose statements, and exploratory research questions, while quantitative dissertations have more specific problem statements, narrower purpose statements, and hypothesis-driven research questions. The methodology sections also differ significantly, with qualitative dissertations employing interviews, observations, and document analysis, and quantitative dissertations using surveys, experiments, and statistical analysis. The study concludes that the choice of research approach should be guided by the research problem and objectives, and that doctoral students should carefully consider the implications of their choice on the overall dissertation process. The study also suggests that supervisors and committee members should provide clear guidance and support to doctoral students in selecting and implementing the appropriate research approach. The findings of this study have implications for doctoral students, supervisors, and committee members, as well as for the broader research community. By providing a clear understanding of the differences between qualitative and quantitative research approaches, this study can help to reduce confusion and delays in the dissertation process, and ultimately improve the quality of doctoral research.

Fairfax Bytes

Student Survey
Student Survey - 2022
Student Opinion Survey - 2023

Asad Ali, PhD
Associate Professor of Information System, University of Fairfax

Shankey P. Pandya, Ph.D., Associate Professor, Professor, University of Fairfax

Umesh C. Varma, Director of Information Assurance, Presidents/CEO, University of Fairfax

Doctorate of Information Assurance (DIA)
Doctorate of Business Administration (DBA)
Masters in Cyber Sci and Eng. (M.S.)

1. Three target programs at University of Fairfax
2. Doctorate of Information Assurance (DIA)
3. Doctorate of Business Administration (DBA)
4. Masters in Cyber Sci and Eng. (M.S.)

1. three target programs are running at University of Fairfax
2. DBA brings excellent value to students
3. Masters in Cyber Sci and Eng. (M.S.) is in demand
4. Graduates of our academic options are ready for the job market
5. Current data needs to navigate. **95%**

New Faculty Joined UF

Dr. Sonya Mehan
M.D. (still known Technology)
Ph.D. (Computer Information Check Statistics - AFSC)
Master of Science
Bachelor of Science
Supervisor: University of The Continental Family University, Cybersecurity, Information Security, Data Science & Foundation 2021 Certified Associate

Dr. Daniella Rowell
M.D. (Computer Science), Natural Science, Public Administration
M.A. (Science Technology, Technology, Information Science)
20 years of conventional business due to collaborative Information Technology Management
Supervisor: University of The Continental Family University, Cybersecurity, Information Security, Data Science & Foundation 2021 Certified Associate

Dr. Frankie R. Shuffler
M.D. (Doctorate of Information Assurance)
M.A. (Science Technology, Technology, Information Science)
20 years of conventional business due to collaborative Information Technology Management
Vice Supervisor: University of The Continental Family University, Cybersecurity, Information Security, Data Science & Foundation 2021 Certified Associate

Dr. Ahmed A. Mostafa
M.D. (Computer Science)
Ph.D. (Computer Science), Natural Science, Public Administration
M.A. (Science Technology, Technology, Information Science)
10 years of teaching experience
10 years of consulting, advising experience

Dr. Sharon Gagnon
M.D. (Business Management)
Ph.D. (Economics)
M.A. (Economics)
20 years of teaching experience in higher education
Supervisor: University of The Continental Family University, Cybersecurity, Information Security, Data Science & Foundation 2021 Certified Associate

Fairfax Bytes Students' Scholarly Activities

Dissertations completed:

Clyde Joyce DIA - Doctorate of Information Assurance (DIA) Dissertation Title: "Assessing the Effectiveness of Cybersecurity Tailored risk management frameworks in Mitigating Cyber Threats in physical systems: a quantitative study"

Rene Tuma DIA - Doctorate of Information Assurance (DIA) Dissertation Title: "Cybersecurity Applications to Minimize User Data Breaches: A Delphi Study"

Ashmita Adigvekar (D.B.A. Candidate) - Business Administration
Dissertation Topic: "Leadership Challenges in Business - Investing Strategies in Real Estate Sector"
Ashmita is the Fairfax Scout of Class 2024 of Doctorate of Business Administration (DBA)
Contact: +91 98 2222 1 4 6 6
Website: www.ashmita.com

Join Fairfax Bytes

Recommended journals for Research
(An International Journal of Network Management (Wiley) - Impact Factor Policy)
International Journal of Computer Science and Security (IJCSS)
<https://www.cscjournals.org/journals/IJCSS/description.php>
International Journal of Biometrics and Bioinformatics (IJBB)
<https://www.cscjournals.org/journals/IJBB/description.php>
International Journal of Engineering (IJE)
<https://www.cscjournals.org/journals/IJE/description.php>
International Journal of Image Processing (IJIP)
<https://www.cscjournals.org/journals/IJIP/description.php>
International Journal of Computer Theory and Engineering (IJCTE)
<https://www.cscjournals.org/journals/IJCTE/description.php>
Signal Processing: An International Journal (SPIJ)
<https://www.cscjournals.org/journals/SPIJ/description.php>
International Journal of Computer Networks (IJCN)
<https://www.cscjournals.org/journals/IJCN/description.php>
Advances in Multimedia: An International Journal (AMJ)
<https://www.cscjournals.org/journals/AMJ/description.php>
International Journal of Artificial Intelligence and Expert Systems (IJAE)
<https://www.cscjournals.org/journals/IJAE/description.php>
International Journal of Engineering (IJE) - Volume 3 Issue 1
<https://www.cscjournals.org/journals/IJE/description.php>
International Journal of Software Engineering (IJSE)
<https://www.cscjournals.org/journals/IJSE/description.php>

Topics of interest for submission of papers
Number of Submitted Articles: 2000+ Articles
Number of Accepted Articles: 1000+ Articles
Master of Science in Computer Science & Engineering
Master of Science in Cybersecurity
Master of Science in Information Technology
Master of Science in Computer Science & Engineering
Master of Science in Cybersecurity
Master of Science in Information Technology
Doctorate of Information Assurance (DIA)
Doctorate of Business Administration (DBA)
Bachelor of Science in Network Administration
Bachelor of Science in Network Administration and Cybersecurity
Information Security Professional Training Certificate
Network Administrator Training Certificate
Online Master Degree Programs

Internship Opportunities

https://jobs.careerbuilder.com/jobs/internship?keywords=Cybersecurity&location=Remote
Offer Details: Pay & Time Off Type
https://www.indeed.com/q-Internship-Cybersecurity-l-Remote-jobs.html
https://www.indeed.com/q-Internship-Cybersecurity-l-Remote-jobs.html?vjk=1c4ed1ed1ed1ed1
Internship - Cybersecurity - National Security Agency Internship Program
https://www.nsa.gov/Careers/Student-Opportunities/
Cyber Internship Program - Internship Opportunities (various locations)
https://www.cyberinternship.com/internship/Cybersecurity-Internship-in-Cleveland-Heights-Ohio-United-States-at-Fairfax-Bytes-Inc-