

Service Statement

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Contributed to FIU's growth, serving on the **Faculty Hiring Committee**, **Awards Committee**, **CEC Faculty Council**, **Graduate Committee**, **Subject Area Coordinator**, **Graduate Program Committee**, **DEI Committee**, and as **Seminar Series Coordinator**. Led roles such as **Associate Editor** for ACM TACO Journal, **General Chair**, **Publicity Chair** for ACM HotStorage, **Program Committee Track Chair** for CCGRID, and **Poster Chair** for HPDC. Extensive service as a **TPC member** for conferences like USENIX FAST, IPDPS, CLOUD, etc. Volunteering at the **Center for Women and Gender Studies**. Received **Grace Hopper Celebration of Women in Computing (GHC) Faculty Scholarship** for two years and Certificate of Completion from **ASEE DELTA Junior Faculty Institute**. Participated in **STRIDE workshop** for hiring, tenure, and promotion, **Diversity Advocate** workshop, and **Bystander Leadership** workshop.

Service Philosophy

Service is the bedrock of our academic community, propelling us toward excellence. Beyond obligation, it embodies our commitment to a collegial environment and self-governance. My primary commitment is active engagement in KFSCIS, CEC, and FIU, fostering positive change. I aim to broaden my impact globally in system design and storage system research, connecting with researchers to bring valuable insights back to our academic home. I view my service commitments not as burdens but as golden opportunities for learning, growth, and the demonstration of my inherent value to the academic community. Each engagement is a chance to refine my leadership skills, to cultivate relationships, and to contribute meaningfully to the success of the University. As a steward of progress, I am dedicated to shaping our academic future through unwavering commitment to service.

Service Roles and Experience

School Service: My commitment to service within the KFSCIS is evident through my extensive involvement in various roles, each contributing significantly to the vibrancy and excellence of our academic community. Serving on the KFSCIS Tenure Track Faculty Hiring Committee for three years in past five years has been a distinguished responsibility, offering me the opportunity to actively shape the trajectory of our department. Throughout these past few years, we faced the substantial task of hiring for multiple open tenure track positions, entailing a considerable amount of work. Within each year of service, this included efforts to advertise faculty openings in both traditional and non-traditional minority community venues, a meticulous review of over 200 applications, the orchestration of multiple rounds of Zoom interviews for approximately 25 candidates, and frequent committee meetings, often exceeding twice a week. My role extended beyond the virtual interview process to coordinating in-person interviews with candidates. For many faculty interview candidates, I willingly took on various duties, from facilitating morning pickups to guiding them through a series of meetings and talks, accompanying them for lunch, showcasing our wonderful campus, organizing dinner engagements, exploring various areas around Miami based on their living preferences, and ensuring their safe return to the hotel in the evening. Highlighting the significance of diversity and equity in the faculty selection process, I actively fostered an inclusive environment, recognizing the value that diverse perspectives bring to our academic community. To prepare for this crucial role, I engaged in workshops and certificate programs, such as ASEE DELTA Junior Faculty Institute, STRIDE workshops for hiring, STRIDE workshops for tenure and promotion, Diversity Advocate workshop, and Bystander Leadership workshop. The noteworthy female faculty additions to our faculty during the two years of my service include Dr. Ruimin Sun and Dr. Agoritsa Polyzou, underscoring the success in enriching the diversity of our academic team. In these years of my intense commitment to the Tenure Track Faculty Hiring Committee, we were successful in hiring eight new tenure track faculty members. Thus, I not only contributed to the growth of our department but also played a pivotal role in cultivating a faculty body that reflects a broad spectrum of expertise and backgrounds essential for academic excellence.

Furthermore, as a member of the KFSCIS Graduate Committee for two years, I actively contributed to the review of Ph.D. student applications and met with many of them to address questions about applying to FIU. Our decisions as members of the graduate committee significantly impact the academic journey of our graduate students, ensuring that we maintain a high standard of education and support for their research endeavors. Additionally, I served on our Diversity, Equity & Inclusion (DEI) Committee for one year, where I led the process of preparing the first draft of the 2025-2028 NSF Broadening Participation (BPC) plan. In my role as the Subject Area Coordinator for the BS-CS Programming track, responsible for courses such as COP-2210, COP-3337, COP-3530, COP-4338, COP-4226, and COP-4520, I consistently aimed to provide comprehensive and timely reports by reviewing course evaluations. During my two years of service in this role, we underwent ABET evaluations, and I dedicated my best efforts to meet with evaluators and provide them with all requested materials to facilitate the process. Additionally, I served as the Seminar Series Coordinator, where coordinating the KFSCIS Seminar Series transcends mere event planning. This responsibility involves intricate logistics and hosting distinguished speakers, including Turing award winners and members of national academies. The series not only fosters intellectual exploration but also connects our academic

community with influential figures in computer science, broadening our collective knowledge and impact. I also served as a member of the KFSCIS Awards Committee, actively participating in the recognition of outstanding achievements within our academic community.

College Service: At the college level, my commitment to service has manifested through my engagement in various roles over the past five years. Serving as the CEC Faculty Council Representative, I actively participated in discussions and decision-making processes, representing the voice and concerns of the faculty within the College of Engineering and Computing (CEC). This role has provided me with valuable insights into the broader academic landscape of the college, allowing me to contribute to collegial governance and the enhancement of our academic programs. Simultaneously, my involvement on the Graduate Council has allowed me to play a pivotal role in shaping the policies and initiatives related to graduate education within the college. By contributing to discussions and decisions at this level, I have been able to actively advocate for the interests of graduate students and ensure the maintenance of high standards in our graduate programs. As the faculty representative at the United Nations Women and Girls in Science Day annual celebrations, I have extended my commitment to service beyond the confines of the college. Actively participating in events and activities dedicated to promoting the role of women and girls in science, I have contributed to fostering an inclusive and supportive environment within the college and beyond. These roles collectively demonstrate my commitment to service, collegial governance, and fostering an inclusive academic environment.

University Service: My commitment to service extends beyond school and college-level responsibilities, encompassing initiatives that actively contribute to the dynamic and inclusive ethos of the university. I have actively engaged in professional development, completing a hybrid program to become a certified hybrid instructor, embracing innovative teaching methods for a modern academic landscape. In addition, I volunteer as affiliated faculty for the Center for Women and Gender Studies (CWGS), where I dedicate efforts to promote women in computer science. This role allows me to contribute to the broader discourse on gender diversity in STEM fields and advocate for inclusivity within the university community. Each responsibility not only contributes to the betterment of our department, college, and university but also reflects my steadfast commitment to the values of service, collaboration, and excellence.

External Service: In external service, my active engagement across various roles underscores a dedicated commitment to advancing the fields of storage systems, cloud computing, distributed computing, and performance modeling. In my leadership roles, I serve as the Associate Editor for ACM Transactions on Architecture and Code Optimization (TACO) Journal, General Chair for the ACM Workshop on Hot Topics in Storage and File Systems (HotStorage) in 2024, spearheading the workshop's overall operations and contributing to its success. Simultaneously, I served as the Program Committee Track Chair for the Performance Monitoring, Modeling, Analysis, and Benchmarking track at the 22nd IEEE International Symposium on Cluster, Cloud, and Internet Computing (CCGrid) in 2024. My involvement extended to serving as the Poster Chair for the 33rd and 32nd ACM International Symposium on High-Performance Parallel and Distributed Computing (HPDC) in 2024 and 2023, respectively. I played a crucial role as the Publicity Chair TPC for the ACM Workshop on Hot Topics in Storage and File Systems (HotStorage) in 2023. Additionally, I assumed roles as TPC and Session Chair for both the ACM Workshop on Hot Topics in Storage and File Systems (HotStorage) and the USENIX Conference on File and Storage Technologies (FAST) in 2022, leading sessions on topics such as ZNS and SSDs, "The SSD Revolution Is Not Over", and "Storage Technologies." Finally, I served on multiple panels over last couple of years such as panel on the topic of "Storage and Machine Learning - What can we learn from each other?" along with Assaf Eisenman (Meta), Zhichao Cao (ASU), and Erez Zadok (Stony Brook).

Parallel to these journal and conference leadership commitments, my dedication to peer reviewing is evident across prestigious venues. I took on the demanding role of Technical Program Committee (TPC) member for the USENIX Conference on File and Storage Technologies (FAST) in multiple years, handling a substantial review workload comprising 15-20 papers. I served on the TPC of IEEE International Conference on Distributed Computing Systems (ICDCS), IEEE/ACM International Symposium on Cluster, Cloud, and Internet Computing (CCGRID), ACM Workshop on Hot Topics in Storage and File Systems (HotStorage), International Symposium on High-Performance Parallel and Distributed Computing (HPDC), IEEE International Parallel & Distributed Processing Symposium (IPDPS), and more over the last five years. My contributions also extend to reviewing papers submitted to reputable journals like IEEE Transactions on Cloud Computing (TCC), ACM Transactions on Storage (TOS), IEEE Transactions on Services Computing (TSC), and others. Beyond conferences and journals, I serve as an NSF panelist for the Cyberinfrastructure for Sustained Scientific Innovation (CSSI), Office of Advanced Cyberinfrastructure (OAC), and Computer and Information Science and Engineering (CISE) programs, demonstrating my commitment to broader research initiatives.

Engaging in outreach, I serve as a guest speaker to inspire scholars in programs like the flit-path scholars' program and the Women in Cybersecurity (WiCys) Student Chapter. I have also delivered invited talks on my research at high-impact events hosted by organizations such as the Miami Entrepreneurs' Organization (EO), IBM Research, and Samsung Research. Moreover, I prioritize continuous professional development, completing a hybrid program to become a certified hybrid instructor. Acknowledging the importance of integrating scholarship, teaching, and service, I obtained a certificate of completion from the ASEE DELTA Junior Faculty Institute. Further enhancing my perspective, I have been awarded faculty scholarships to attend the Grace Hopper Celebration of Women in Computing (GHC) for two consecutive years. These experiences collectively enrich my capabilities and contribute to my multifaceted role as an educator and researcher.

[Future Plans:] Moving forward I plan to continue to support endeavors at all university levels and leverage existing relationships to extend my national and international involvement in the research community.