



The Henry Eldridge Department of Mathematics and Computer Science



Laboratory for Analytic Sciences (LAS) comes to FSU: Join us to learn about National Security Agency (NSA), job and internship oppor- tunities.

Amy Brown Gagnon is the director of the Laboratory for Analytic Sciences, located on the Centennial Campus of NC State in Raleigh. As director of LAS, she works with government, academic and industry partners to research and implement solutions to the U.S. Intelligence Community's strategic analysis challenges. She is a career employee of the National Security Agency (NSA), where she is a Defense Intelligence Senior Leader.

Brown Gagnon graduated from The Pennsylvania State University with a bachelor's degree in French and business. Throughout her intelligence community career of nearly four decades, she has continuously sought educational opportunities, gaining proficiency in three additional languages and pursuing graduate studies in organizational design and leadership at Duquesne University and Colorado State.

During Brown Gagnon's years working counter-terrorism, her teams were recognized with the Exceptional Achievement Medal, a National Intelligence Meritorious Unit Citation, and two Joint Meritorious Unit Awards. She is a 2011 recipient of the Director's Individual Leadership Award and has also received the Meritorious Civilian Service Award.

Seminar Series Fall 2023

DATE

September 18, 2023

TIME

2:00 pm — 3:30 pm

PLACE

LSA Room 121

PRESENTER

Amy Brown Gagnon

Director, Laboratory for Analytic
Sciences*

The **Laboratory for Analytic Sciences** is a partnership between the intelligence community and **North Carolina State University** that develops innovative technology and tradecraft to help solve mission-relevant problems.

For more information please contact:

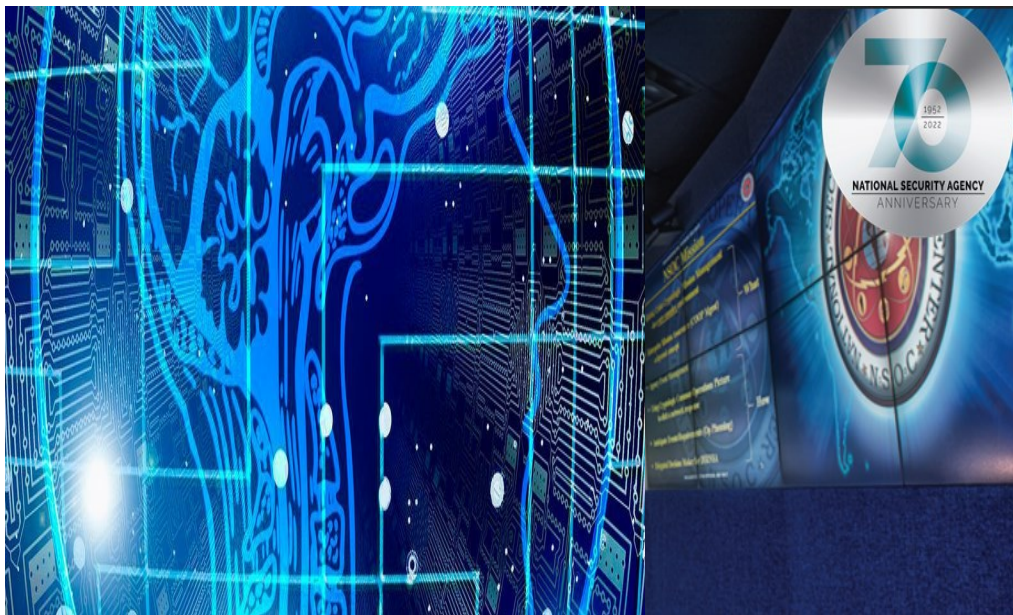
Dr. Valentin Milanov

SCITEC 408

910-672-2202



The Henry Eldridge Department of Mathematics and Computer Science



The Lifecycle of High Performance Computing (HPC)

Bio: Dr. Marcel Fallet is a STEM Technical Leader at the National Security Agency, specializing in high performance computing (HPC). A chemist by training, Dr. Fallet's career has granted him varied experience as a computational simulation researcher, as well as a technical leader for large scale system design, production, delivery, and support. Dr. Fallet received his Master's Degree in chemistry from Northwestern University in 2007, and his Ph. D in computational chemistry from Clemson University in 2013. Prior to joining the NSA, Dr. Fallet was a Research Assistant Professor at the United States Naval Academy, working to advance the state of the art in tribological simulations using molecular dynamics.

Abstract: High performance computing (HPC) is a popular buzzword commonly found in the computing industry today. It seems that every organization, vendor, or laboratory has a different approach and definition to HPC. In this talk, Dr. Marcel Fallet will introduce HPC from the standpoints of hardware, software, and architecture, and how all three topics intimately interact to form a definition of HPC consistent with NSA values. He will discuss how our hardest mission problems inform how we design, build, test, and interact with at-scale systems, and present an argument that HPC is a constant flow of planning for, and enabling, new technologies.

Seminar Series Spring 2024

DATE

January 26, 2024

TIME

11:00 am — 12:00 pm

[Click here to join the meeting](#)

Meeting ID: 220 652 910 267

Passcode: htbJpW

PRESENTER

Dr. Marcel Fallet

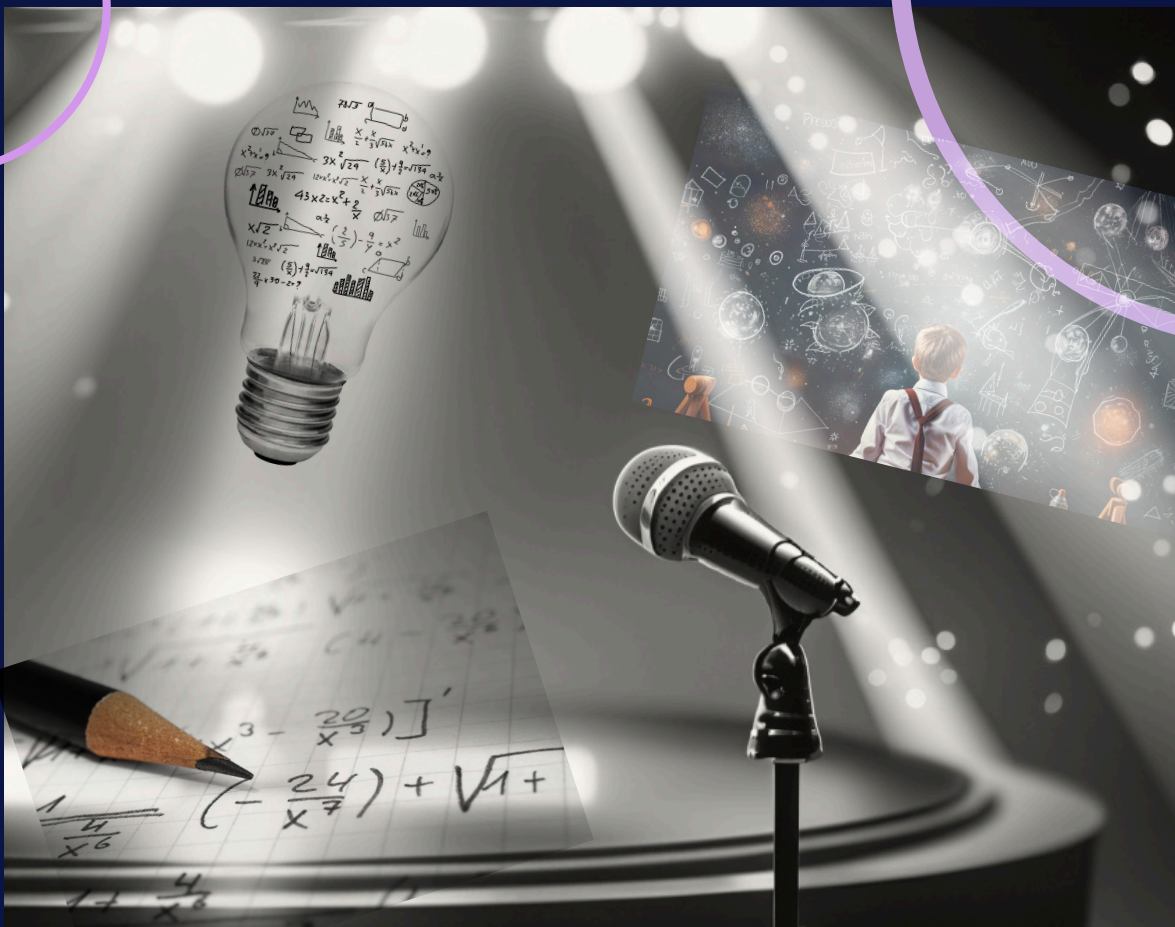
STEM Technical Leader at the National Security Agency (NSA), specializing in high performance computing (HPC)

For more information please contact:

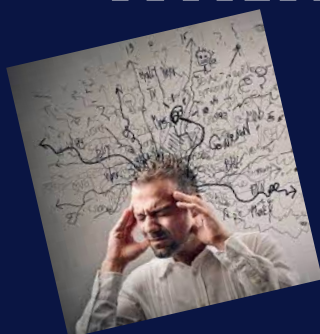
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"FROM EQUATIONS TO EXCELLENCE: UNVEILING SUCCESSFUL STRATEGIES IN MY MATH COURSE"



Facilitator: Dr. Perry Gillespie
Department of Math and Computer Science

Location: Science & Technology Building Room 229
When: February 23, 2024 @ 2:00 pm



The Henry Eldridge Department of Mathematics and Computer Science



Unlocking the Future: Navigating AI, Personal Growth, and Career Pathways at IBM.



Abstract: Join us for an enlightening seminar featuring Mrs. Perepa, an esteemed AI specialist at IBM, as she shares her expertise and experiences in the realm of Artificial Intelligence. Throughout the seminar, attendees will explore the foundational concepts of AI, gain insights into Mrs. Perepa's personal and professional journey, and uncover the intricacies of a typical day in the life of an IBM tech employee.

In the first segment, Mrs. Perepa will demystify Artificial Intelligence, offering a comprehensive overview of its principles, applications, and implications for society. Through engaging discussions and real-world examples, attendees will develop a deeper understanding of AI's transformative potential across various domains.

The seminar will then transition into an intimate exploration of Mrs. Perepa's background, highlighting the milestones and challenges that have shaped her career trajectory. From her academic pursuits to her role as an AI specialist at IBM, Mrs. Perepa will share valuable insights and lessons learned along her professional journey.

Finally, attendees will have the opportunity to gain firsthand knowledge of what it is like to work at IBM as a technical employee. Drawing from her own experiences, Mrs. Perepa will provide an insider's perspective on the day-to-day responsibilities, collaborative projects, and innovative initiatives that define the culture of IBM's tech workforce.

Whether you are an aspiring AI enthusiast, a seasoned professional, or simply curious about the inner workings of a tech giant like IBM, this seminar promises to deliver invaluable insights and inspiration from one of the industry's leading experts. Do not miss this opportunity to expand your knowledge and engage with the fascinating world of Artificial Intelligence alongside Mrs. Perepa.

Seminar Series Spring 2024

DATE

March 22, 2024

TIME

1:00 pm — 2:00 pm

PLACE

LSA 121

PRESENTER

Mrs. Sujatha Perepa

AI enthusiast/Engineer at IBM

Facilitated by FSU ACM-W Student
Chapter Members: Anita Amofah and
Carrington Pearson

For more information please contact:

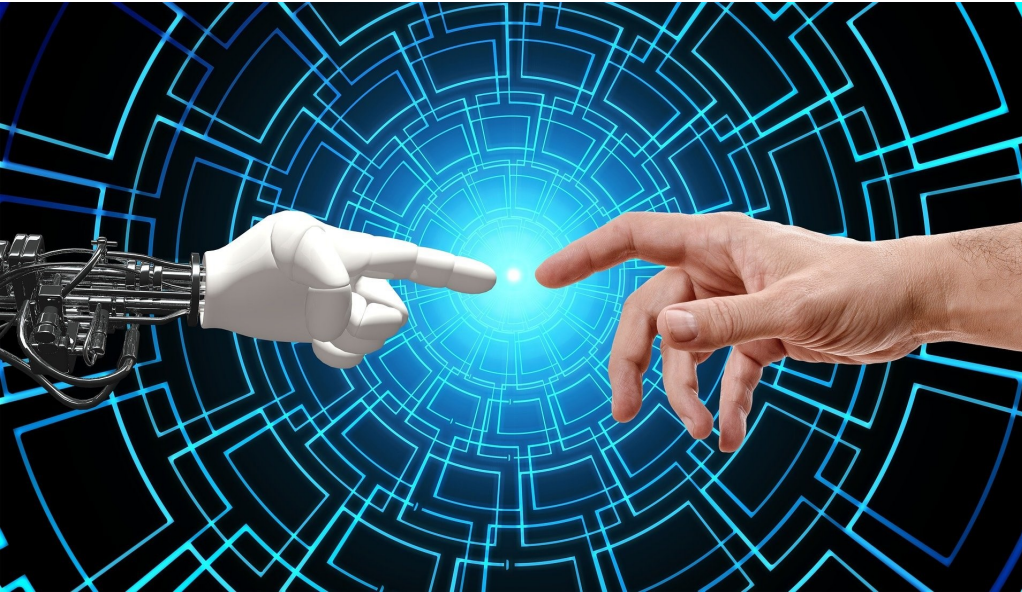
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The Pros of Being a Mathematics Generalist in Engineering and Computational Research

Bio: Adolfo R. Escobedo is an educator and researcher in operations research and industrial engineering. He received a BA in Mathematics from California State University, Los Angeles and a PhD in Industrial and Systems Engineering from Texas A&M University. His research interests are in the theory and application of mathematical programming and algorithm design for the planning and operation of sustainable infrastructures, optimization solver development, and social choice-inspired decision-making frameworks.

Abstract: Fundamental progress in engineering and computational research requires technical rigor. To make such advances, it is necessary to know not only how to derive formal theoretical results, but also how to combine knowledge from multiple areas of mathematics. To support these statements, this talk will provide a survey of various research projects in Engineering and the Computational Sciences.

Seminar Series Spring 2024

DATE

April 26, 2024

TIME

2:00 pm — 3:00 pm

PLACE

SCITEC Room 229

PRESENTER

Adolfo Escobedo

Associate Professor

Edward P. Fitts Department of Industrial and Systems Engineering (ISE)
NC State University

For more information please contact:

Dr. Valentin Milanov

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