

Applied and Computational Mathematics



Dr. Abdul Salam Jarrah

Professor | Head of Department

His research spans computational commutative algebra, cubical homology theory of graphs, algebraic methods in invariant theory, computational immunology, discrete dynamical systems and computational systems biology. He previously served as a Senior Research Associate at Virginia Tech, was a member of the Mathematical Sciences Research Institute, and has taught mathematics at Virginia Tech, East Tennessee State University and New Mexico State University.



Dr. Ziyad Sharawi

Professor

His research interest is on difference equations and discrete dynamical systems. Particular interest is given to discrete models arising from problems in mathematical biology and ecology.



Dr. Ghada Alobaidi

Associate Professor

Her research interests include financial mathematics, mathematical modeling, partial differential equations and mathematics education.



Dr. Guillaume Leduc

Associate Professor

His areas of research and teaching interest are stochastic processes, and particularly super processes, actuarial mathematics and financial mathematics.



Dr. Marwan Abukhaled

Professor

His areas of research interests are numerical analysis, stochastic differential equations and control theory.





Dr. Youssef Belhamadia

Associate Professor

The main interest of his research is the development and the implementation of numerical methods for partial differential equations with strong applications in biomedical and industrial problems



Dr. Gabriel Jarry-Bolduc

Assistant Professor

His research interest is on numerical analysis, derivative-free optimization, optimization and machine learning.

