**CONGRATS GRADS!**

Kaylin Henderson, Marian Henze, Qian Sun, Christopher Smoot, Alexandra Van Neste, & Sanny Vernon

Advisors: G. Han, M. Deng, M. Voisei, M. Pemy, E. Goode

Referees: S. Chart, M. Voisei, M. O’Leary, A. Kumchev, S. Borodachov, M. Deng

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The Department of Mathematics and Simons Foundation Research Prize was split between Alexandra Van Neste (Advised by Dr. Voisei), and Matthew Damseaux (Advised by Dr. Deng).

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**FALL 2018 COURSES**

Register now for next semester!

**MATH 686: Multivariate Splines** - Dr. Sorokina
Concentration: Differential Equations/Optimization
Prerequisites: Linear Algebra and Calculus III

**MATH 638: Applied Multivariate Statistical Analysis** - Dr. Cui
Concentration: Applied Statistics/Mathematical Finance
Prerequisites: Probability, Applied Regression and Time Series Analysis, and Elementary Linear Algebra

**MATH 675: Asymptotic and Perturbation Analysis** - Dr. Tian
Concentration: Differential Equations/Optimization
Prerequisites: Differential Equations and Complex Analysis

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GRADUATE ACCOMPLISHMENTS

SEE WHAT OUR STUDENTS ARE UP TO

KAREL MARSHALL
NVDECS Delta Decisions IQA Fellowship

Karel has been selected to receive the NVDECS Delta Decisions fellowship for 2018/2019, which includes a $2,000 scholarship and an invitation to an awards ceremony in honor of fellowship recipients. The ceremony will be held at the NVDECS Golf Tournament in October.

For more information about this program and Karel's incredible graduate accomplishment, click here!

TYLYNN PETTREY & ALEXANDER POYNEER
National Institutes of Health BRAIN Initiative Summer Course

Tylynn and Alex have been offered positions in the NIH BRAIN Initiative Summer Course on interdisciplinary computational neuroscience entitled "Models and Neurobiology" at the University of Missouri - Columbia from June 4-15, 2018. NIH will cover all expenses.

For more information about this program and Tylynn and Alex’s incredible graduate accomplishment, click here!

ABIOLA OYEBO
Penn Bridge to Ph.D.

Abiola has been admitted to the Penn Bridge to Ph.D. program at the University of Pennsylvania. The offer covers full tuition and a $25,000 stipend. Abiola will be required to teach in her second year at University of Pennsylvania.

For more information about this program and Abiola's incredible graduate accomplishment, click here!
Congratulations to Shashi for making it to the semi-finals of Data Incubator's highly competitive fellowship aimed at training new data scientists for positions in industry.

Here is what Shashi has to say about his experience:

After learning about Data Incubator, I did some research to understand its goals, and found that the fellowship is a good platform to learn what is currently going on in the world of Data Science and Big Data. I decided to apply for the fellowship, and with my love for programming and the insights gained during my study at Towson University, I was able to reach to the semifinal stage. I am currently awaiting results for the final.

During the initial stage, I came to understand that hands-on knowledge of any one programming language is a must. The number of hours spent in coding, the programming languages you know, the size of the data that you have worked on and a good write-up on works/projects that you have completed during school or at work increase the likelihood of getting into fellowship.

After enrolling in Data Incubator, I was challenged by a daunting task to answer data related questions by doing some exploratory data analysis on the given data. A few tasks were based on the random walk across the 2D grid. Overall it is a lot of fun, though there is a long way to go as the program is very competitive.

To sum up, Data Incubator is a great place to learn. It also provides networking opportunities, as it gives great exposure to meet other fellows and several people from various industries. I would recommend this 8 weeks educational fellowship to students/graduates who are aspiring to become Big data analysts or Data Scientists.

We wish him good luck!

For more information about this program and Shashi's incredible graduate accomplishment, click here!
In TU's South Campus Pavilion on Wednesday April 18, 2018, graduate students from the Fisher College of Science and Mathematics met with alumni in their fields in a dinner setting to learn about career paths, interviewing, job selection strategies, and skills needed in the current workforce. The dinner style networking event allowed for personalized discussions with the alumni about students' professional aspirations.

The Mathematics Department was represented by four mentors who shared their knowledge, experience, and expertise with students during round table discussions. Students also benefitted from the contributions of other mentors outside of the Mathematics Department during a Q&A session open to all attendees.