

End-of-Semester Celebration of Mathematics and Statistics

Organized by the Mathematics and Statistics Club at Georgia State

Friday April 22, 10:45-1:30 pm, 796 COE (light lunch will be provided) **RIMMES presentations**

10:45-10:55am

David Smith: *An Eisenstein criterion*, Mentor: Dr. Yongwei Yao

11:00-11:10 am

Adebambo Adedire: *Fast inactivation mechanism of Kv4.3* Mentor: Dr. Vladimir Bondarenko

11:15-11:25am

Konstantin Kapustin: *Markov model of the human Na⁺ channel* Mentor: Dr. Vladimir Bondarenko

11:30-11:40 am

Kelvin Rozier: *Role of asymmetry and time delay in a Hopfield neural network model*
Mentor: Dr. Vladimir Bondarenko

11:45-11:55pm

Ricky Tolefree Jr: *Restitution properties of the human cardiac action potential*
Mentor: Dr. Vladimir Bondarenko

12:00-12:10pm

Nyasha Hamilton: *Are students prepared for Calculus I?* Mentor: Dr. Valerie Miller

12:15-12:25pm

Thomas Polstra: *The Casas-Alvero Conjecture for the complex plane* Mentor: Dr. Florian Enescu

12:30-12:40pm

Jonathan Cantrell: *Comparing FM Forms: How to define generality in a functorial context*,
Mentor: Dr. Mariana Montiel

12:45-12:55pm

Olesya Sarajlic: *Inverse problem involving an integral equation in irrigation theory*,
Mentor: Dr. Alexandra Smirnova

1:00-1:10pm

Isaac Yoon: *Uncommonly interesting: inverse problem in finance*, Mentor: Dr. Alexandra Smirnova

Presentation of Student Awards (1:15pm)

The Calculus Undergraduate Awards, the Best TA award and the winners of the Seventh Annual Undergraduate Mathematics Competition.

ALL STUDENTS AND FACULTY ARE INVITED TO ATTEND!