# Thirty-Third Annual University of Alabama System Applied Mathematics Meeting
## Saturday, November 6, 2021
## University of Alabama at Birmingham

All events take place on the 1st floor of University Hall (UH) in Room 1005. Refreshments will be served on the North Terrace (1st floor) of the building, facing the Campus Green. Discussions will be held University Hall 4th floor.

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| 10:00am | **Refreshments** | Patio |
| 10:15am | **Welcoming remarks by the Department Chair Dr. Milena Stanislavova** | UH 1005 |
| 10:25am | **Dr. Zheng Sun (UA):** "Strong stability of explicit Runge-Kutta methods for linear semi-negative problems" | UH 1005 |
| 11:05am | **Jason Knight (UAH):** "p-Adic (3,3)-rational Dynamical Systems with Unique Fixed Point" | UH 1005 |
| 11:25am | **Michael Pogwizd (UAB):** "Sturm-Liouville Theory & Quasi-Eigenvalues in ECG analysis" | UH 1005 |
| 11:45am | **Lunch** | Area restaurants |
| 2:00pm | **Dr. Atanas Stefanov (UAB):** "Sharp asymptotics for certain reaction-diffusion models" | UH 1005 |
| 2:40pm | **Toai Luong (UA):** "Minimizers for the Cahn-Hilliard Energy Functional under Strong Anchoring Conditions" | UH 1005 |
| 3:00pm | **Dr. Shangbing Ai (UAH):** "Traveling wave solutions of diffusive systems with one predator and several prey species" | UH 1005 |
| 3:40pm | **UAB Guest student speaker, Abba Ibrahim Ramadan:** "On the stability of the compacton waves for the degenerate KDV and NLS models" | UH 1005 |
| 4:00pm | **Refreshments** | Patio |
| 4:20pm | **Faculty Discussion** | UH 4004 |
| 4:20pm | **Student Discussion** | UH 4002 |