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Abstract Acceptance Notification – 3rd UCG Virtual PDE Conference

1 message

Yi Zhang <Y_ZHANG7@uncg.edu>

Wed, Jul 16, 2025 at 5:04 PM

To: "abdelmouhcene.sengouga@univ-msila.dz" <abdelmouhcene.sengouga@univ-msila.dz>

Dear Abdelmouhcene,

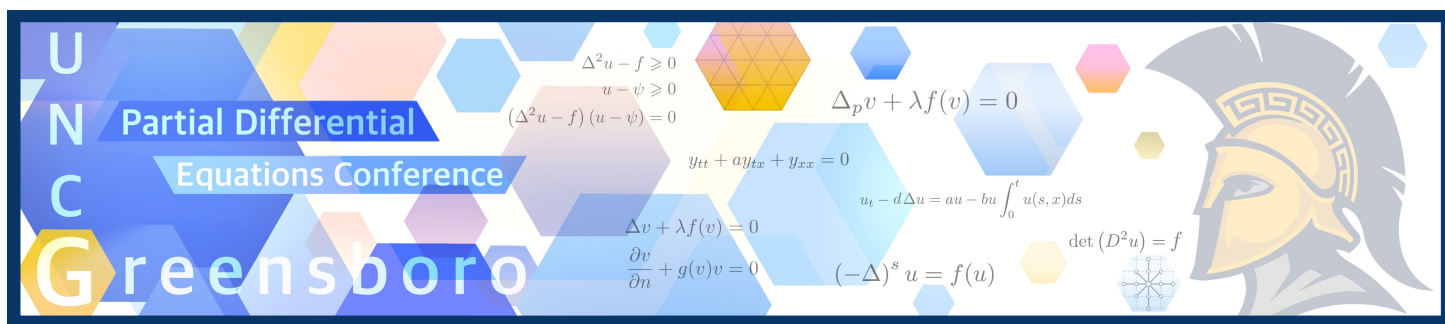
Thank you for submitting your abstract to 3rd UCG Virtual PDE Conference, which will take place online on October 10th-12th, 2025. We are pleased to inform you that your abstract has been accepted for presentation at the conference.

Please note that the list of accepted abstracts will be posted and regularly updated on the conference website: <https://mathstats.uncg.edu/pde-conference/>

Thank you for your contribution. We look forward to welcoming you to the conference.

Best regards,

Yi Zhang
Program Chair
3rd UCG Virtual PDE Conference



The Third UNCG Virtual PDE Conference Schedule

Conference Time Zone: Eastern Daylight Time, GMT -4.

Friday, October 10th (Eastern Daylight Time, GMT -4)

9:45 - 10:00am	Welcome Remarks Alan Boyette, Provost and Executive Vice Chancellor, UNCG Sherine Obare, Vice Chancellor for Research and Engagement, UNCG Scott Richter, Head, Department of Mathematics and Statistics, UNCG
10:00 - 10:15am	History and Music Video 'Ode to Joy' performed by Scott Richter 'HalfLight' written and performed by Ally Harvel
10:15 - 10:30am	Conference Dedication - Brief Presentation in honor of Alfonso Castro
10:30 - 11:20am	Special Presentation by Jean Mawhin in Main Zoom Meeting Room <i>Alfonso Castro : A Love Story with Nonlinear Analysis and Partial Differential Equations</i>
11:20 - 11:30am	Break
11:30 - 12:30pm	Plenary Lecture 1 Bernhard Ruf in Main Zoom Meeting Room <i>Singular Solutions of Elliptic Equations in Two Dimensions</i>
12:30 - 1:00pm	Break
1:00 - 2:00pm	Technical support for Zoom screen sharing (optional) in Technical Support Breakout Room

Contributed Talks: Friday Afternoon Sessions A1-A6

Session A1	Chair: Emiliano Morales-Lopez	Breakout Room
2:00 - 2:20pm	Caroline Wyrick	<i>On the uniqueness of positive solutions for classes of two-point boundary value problems when a parameter is large</i>
2:20 - 2:40pm	Nyvisalsnuk Rith	<i>Stability and Bifurcation Analysis on Fishery Models with Strong Allee Effect and Holling's Type III Functional Response</i>
2:40 - 3:00pm	Monishwar Vardireddy	<i>Analysis of the SEIR Model around the Singularities</i>
3:00 - 3:20pm	—	—
3:20 - 3:40pm	Emiliano Morales-Lopez	<i>Modeling the Transmission Dynamics of the Monkeypox Virus Infection with Intervention Measures</i>

Contributed Talks: Friday Afternoon Sessions B1-B6

Session B1	Chair: Ananta Acharya	Breakout Room
5:00 - 5:20pm	<u>Wai Chan</u>	<i>Quenching for Reaction-Diffusion Equations</i>
5:20 - 5:40pm	Atanu Manna	<i>Existence and multiplicity of non-radial solutions for a semilinear elliptic equation on hyperbolic space</i>
5:40 - 6:00pm	Ananta Acharya	<i>Analysis of a population when a second species influences its dynamics in the interior and on the boundary</i>
Session B2	Chair: Manki Cho	Breakout Room
5:00 - 5:20pm	Thuy Le	<i>The dimensional reduction method for solving a nonlinear inverse heat conduction problem with limited boundary data</i>
5:20 - 5:40pm	–	–
5:40 - 6:00pm	Manki Cho	<i>Efficient Numerical Solutions of Laplace Equations with Mixed Boundary Conditions Using Steklov Eigenfunctions</i>
Session B3	Chair: Brian Choi	Breakout Room
5:00 - 5:20pm	–	–
5:20 - 5:40pm	Mohammed N. Benamar	<i>On the stability of a class of positive fractional 2D Lyapunov systems described by the Roeser model</i>
5:40 - 6:00pm	Brian Choi	<i>Unique continuation of fractional dispersive equations</i>
Session B4	Chair: Ardra A	Breakout Room
5:00 - 5:20pm	Sigifredo Herrón	<i>Sub-Supersolution Techniques and Fixed Point Methods for Schrödinger p-Laplacian Problems</i>
5:20 - 5:40pm	Lan-Phuc Tran	<i>Phase Shaping of the Nonlinear Schrödinger Equation</i>
5:40 - 6:00pm	Ardra A	<i>On the first eigenvalue of a nonlinear Schrödinger type equation</i>
Session B5	Chair: Arturo Sanjuán	Breakout Room
5:00 - 5:20pm	Md. Abdus Saad	<i>Time-Dependent Diffusion and Soliton Dynamics in $(2+1)D$ Chaffee-Infante Equation</i>
5:20 - 5:40pm	A. Sengouga	<i>Energy Bounds for a Vibrating String with Boundary Damping and Varying Length</i>
5:40 - 6:00pm	Arturo Sanjuán	<i>The Work of Alfonso Castro on the Semilinear Wave Equation: A Survey</i>
Session B6	Chair: Yi Zhang	Breakout Room
5:00 - 5:20pm	Kiran Kumar Saha	<i>Existence of Radially symmetric k-convex solutions to k-Hessian equations</i>
5:20 - 5:40pm	–	–
5:40 - 6:00pm	Amar Pal Verma	<i>Quasilinear Degenerate Elliptic Problems with Indefinite Weights and Variable Exponents: Existence of Multiple Weak Solutions</i>

End of Day 1