

**XIX ENCONTRO NACIONAL DE ANÁLISE MATEMÁTICA E
APLICAÇÕES – XIX ENAMA
04 a 06 de NOVEMBRO de 2026
Departamento de Matemática- UFJF**

Anfiteatro 1 do Instituto de Ciências Exatas (ICE)		
04/11/2026 QUARTA-FEIRA	05/11/2026 QUINTA-FEIRA	06/11/2026 SEXTA-FEIRA
Abertura (08:30-09:00)		
José Vanterler Minicurso 01 09:00-09:40	José Vanterler Minicurso 01 09:00-09:40	José Vanterler Minicurso 01 08:45-09:25
Liliane Maia Minicurso 02 09:40-10:20	Liliane Maia Minicurso 02 09:40-10:20	Liliane Maia Minicurso 02 09:25-10:05
Intervalo & Sessão de Painéis 10:20-11:00	Intervalo & Sessão de Painéis 10:20-11:00	Intervalo 10:05-10:20
		Valéria Cavalcanti Palestra 10:20-11:20
Márcia Federson Palestra 11:00-12:00	Vinícius Fávaro Palestra 11:00-12:00	Pedro Ubilla Palestra 11:20-12:20
12:00-14:00	12:00-14:00	Encerramento 12:20-12:40
Comunicações Orais 14:00-16:00	Comunicações Orais 14:00-16:00	
Intervalo 16:00-16:30	Intervalo 16:00-16:30	
Comunicações Orais 16:30-18:30	Comunicações Orais 16:30-18:30	

Quarta-feira – 04 de novembro de 2026

DM-UFJF (14:00-16:00)

Anfiteatro 2 – ICE (EDP-Eliptica I)		Anfiteatro 1 – ICE (EDP-Evolução I)	
Coordenadora: Sandra Neto		Coordenador: Grigori Chapiro	
14:00 – 14:20	Sandra Neto , Critical Exponential Growth in Quasilinear Elliptic Problems: A Nehari Manifold Approach	Grigori Chapiro , Analytical modeling of foam-assisted displacement with surfactant adsorption in porous media	
14:20 – 14:40	Jeferson Silva , Singular Elliptic Problems Involving the 1-Laplacian with Unbounded Superlinear Terms	Alberto Correia , Dynamics of a nonlinear swelling porous thermoelastic system with second sound	
14:40 – 15:00	Gustavo Ramos , Symmetry and classification of positive standing waves of nonlinear Hartree type equations	Edward Gonzalez , Dimensional Reduction and Numerical Approximation of an Inhomogeneous Stokes Model in a Rectangular Channel	
15:00 – 15:20	Evelina Shamarova , FitzHugh--Nagumo-Type Systems with Sign-Changing Coefficients	João Carlos Barreira , Boundary and Interior Control in a Diffusive Lotka-Volterra Model	
15:20 – 15:40	Ayana Santana , On the Existence, Regularizing Effects, and Asymptotic Behavior of (p,q) -Laplacian Schrödinger–Maxwell Systems	Alexandre de Souza , Pathwise quantitative particle approximation of nonlinear stochastic Fokker-Planck equations via relative entropy	
15:40 - 16:00	Lucas da Silva , Nonvariational Elenbaas problem on an electric arc	Sergey Sergeev , Pseudo-differential homogenization procedure in the composite materials	
16:00-16:30 Intervalo – Hall dos anfiteatros			

Auditório do Departamento de Matemática (Análise I)

Coordenador: Wilson Cuellar

14:00 – 14:20	Eduardo Brandani da Silva , Generalized Entropy Numbers and epsilon-Entropy Functions of Sets and Operators
14:20 – 14:40	Ariel Monção , Closed subspaces of linear and multilinear operators determined by sets and sequences
14:40 – 15:00	João do Carmo , Orthogonal projections onto invariant subspaces of the hardy space over the bidisc
15:00 – 15:20	Charles F. dos Santos , Asymptotic analysis for Riemann-Hilbert problems and small gap probabilities for a conditional process
15:20 – 15:40	
15:40 - 16:00	
16:00-16:30 Intervalo – Hall dos anfiteatros	

Quarta-feira – 04 de novembro de 2026

DM-UFJF (16:30-18:30)

Anfiteatro 2 – ICE (EDP-Elíptica II)		Anfiteatro 1 – ICE (EDP-Evolução II)	
Coordenador: Augusto Costa		Coordenador: Eder Mateus	
16:30 – 16:50	Augusto Costa , On a special class of nonlocal Neumann problems with critical growth	Maicon Sônego , Intermediate asymptotics and sharp transition rates for the viscous Burgers equation	
16:50 – 17:10	Eudes Barboza , Fractional Hardy–Hénon Equations with Nonlinearities of Critical Exponential Growth	Matheus Santos , Blow-up for a semilinear Tricomi-type equation with scale-invariant mass in the oscillatory regime	
17:10 – 17:30	Segundo Salirrosas , Existence and multiplicity of solutions for a critical system involving a biharmonic and p -Laplacian operator	Patrícia Guidolin , Upper and Lower Estimates for Derivatives of Solutions to a Class of Advection–Diffusion Equations	
17:30 – 17:50	Willy Barahona , A Nonlinear Parabolic Problem Involving a Kirchhoff-Type $p(b(u))$ & $q(b(u))$ -Operator	Josiane Faria , Asymptotic behavior of a semilinear wave equation with both localized memory and delay effects	
17:50 – 18:10	Gabriel Rodriguez , A Kirchhoff-Type Variational Inequality with $p(b(u))$ -Laplacian	Luis Logen , Blow-Up Prevention in a Predator-Prey Model with Singular Sensitivity	
18:10 – 18:30	Romário Frias , Sharp regularity for the obstacle problem for quasilinear elliptic equations of p -Laplacian type	Reginaldo Demarque , Regularity for solutions of degenerate wave equation with normal derivative in L^2	
19:00-			

Auditório de Departamento de Matemática (EDO-EDF-EDI)

Coordenadora: Márcia Federson

16:30 – 16:50	Claudio A. Gallegos , On growth rate comparisons: μ -dichotomy, bounded growth, and spectral properties	
16:50 – 17:10	Fernanda A. da Silva , On stability for linear measure functional differential equations through generalized linear equations	
17:10 – 17:30	Marielle Silva , On (θ, T) -periodic solutions and Floquet theory for abstract generalized ODEs	
17:30 – 17:50	Noemi Monteiro , A comprehensive family of memory kernels generated by the gamma Mittag-Leffler distribution	
17:50 – 18:10	Ronaldo Murakami , (ω, c) -periodicity on isolated time scales	
18:10 – 18:30	Juan Camasca , Topological Methods in the Study of the Existence of at Least One Pair of Nonnegative Periodic Solutions for a Particular Class of Ordinary Differential Equations	
19:00 -		

Quinta-feira – 05 de novembro de 2026
DM-UFJF (14:00-16:00)

Anfiteatro 2 – ICE (EDP-Elíptica III)		Anfiteatro 1 – ICE (EDP-Evolução III)	
Coordenador: Grey Ercole		Coordenador: Bruno Andrade	
14:00 – 14:20	Grey Ercole , A convective 1-homogeneous p -Laplacian problem	Juliana Ziebell , Weakly Nonlinear Models for Hydroelastic Water Waves	
14:20 – 14:40	Alessio Fiscella , Critical double phase equations in $\mathbb{R}^N$ with logarithmic nonlinearities: what's new?	Alisson Barbosa , Extensible plate equation with thermal memory and exponential perturbations	
14:40 – 15:00	Laura Ospina , Schauder estimates for non-convex fully nonlinear elliptic PDEs with Dini continuous data	Yolanda S. Ayala , Existence and continuous dependence of the local or global solution for nonhomogeneous heat equations	
15:00 – 15:20	Lucas da Cunha , Nonnegative solutions to a weighted indefinite elliptic Schrödinger equation	Paulo Damazio , Lamé system with nonlinear vector field under critical exponent	
15:20 – 15:40	Wendy de Almeida , Nonlinear fractional magnetic problem with an arbitrary growth at infinity	Italo de Albuquerque , Robustness of Non-Autonomous Attractors for Coupled Pseudo-Parabolic Systems in $\mathbb{R}^n$	
15:40 – 16:00	Gustavo Costa , Existence and concentration solutions for a coupled elliptic systems with critical exponential growth $\mathbb{R}^2$ and potentials well	Carlos Medeiros , Inviscid Damping and Linear Chaos for the Rayleigh Equation using C_0 -Semigroups	
16:00-16:30 Intervalo – Hall dos anfiteatros			

Auditório do Departamento de Matemática (Análise II)	
Coordenador: Vinícius Fávaro	
14:00 – 14:20	Geraldo Botelho , The Right topology on subspaces
14:20 – 14:40	Elisa Santos , Polynomial numerical index with respect to a norm-one polynomial
14:40 – 15:00	Wilson Cuellar , On Properties of the Pisier–Xu Space
15:00 – 15:20	Geivison Ribeiro , Weak Minimizing Property and Reflexivity
15:20 – 15:40	Oscar Blanco , The weakly p -singular maximizing property
15:20 – 15:40	Juan Rubio , Topologies defined by operator classes on Banach spaces
16:00-16:30 Intervalo – Hall dos anfiteatros	

Quinta-feira – 05 de novembro de 2026
DM-UFJF (16:30-18:30)

Anfiteatro 2– ICE (EDP-Elíptica IV/Análise Numérica)		Anfiteatro 1 – ICE (EDP-Evolução IV)
Coordenador:		Coordenador: Luiz Viana
16:30 – 16:50	Heydy Damian , Critical Schrodinger-Bopp-Podolsky Systems: Solutions in the Semiclassical limit	Luiz Viana , Boundary null controllability of degenerate heat equation as the limit of internal controllability
16:50 – 17:10	Luis Miñope , Multiplicity Results for subcritical Choquard-Type Superlinear Elliptic Problems with Partial Interference with the Spectrum	Alfredo Soliz , Controllability of a system of non-autonomous degenerate coupled parabolic equations
17:10 – 17:30	Yino Cueva , Non-Radial Solutions for a Hénon Problem Involving the 1-Laplacian Operator	Brando Carhuas , Local solvability of a nonlinear parabolic equation with sign-changing singular initial data
17:30 – 17:50	Idrissa Deme , Spectral Reconstruction of Neutrons via Deep Learning and Physics-Informed Neural Networks: A Comparative Analysis	Diego Marcon , Critical blow-up for a shifted Tricomi equation with an oscillatory scale-invariant mass
17:50 – 18:10	João R. da Silva, Condition number optimization of multiquadric matrices under Poisson disk constraints	Elaine Tavares , Spectral gap estimates for a degenerate limit operator via truncated approximations
18:10 – 18:30	Hugo de La Cruz , Constructing Positivity-Preserving Integrators for Stochastic differential equations	Janielly Araújo , Time derivative estimates for degenerate parabolic equations with Orlicz growth
18:10 – 18:30	Isnaldo Barbosa , Extreme point maximization of convex quadratic response surfaces and exact leave-one-out validation	
19:30- Jantar - Confraternização		

Auditório do Departamento de Matemática (Análise III)	
Coordenador: Geraldo Botelho	
16:30 – 16:50	Osmar Severiano , Cyclicity and complex symmetry of composition operators on Paley-Wiener spaces
16:50 – 17:10	Thiago Grando , Copies of ℓ_∞ in the relative complements of the space of holomorphic Lipschitz bi-forms
17:10 – 17:30	Nacib Albuquerque , Robust structures and cyclic operators
17:30 – 17:50	João Victor Pinto , Shadowing for weighted composition operators on spaces of continuous functions
17:50 – 18:10	
19:30 - Jantar - Confraternização	

Sessão de Pôsteres Hall dos Anfiteatros do ICE

Quarta-feira- 4 de novembro de 2026 & Quinta-feira- 5 de novembro de 2026
10:20-11:00

Análise

1. **Rodrigo Dobies** Garcia, Geometric Aspects of the Lipschitz-free Spaces
2. **Karen Nobotike**, Three Different Proofs that the Ratios Between Consecutive Fibonacci Numbers Converge to the Golden Number

Análise Numérica

1. **Bianca dos Santos**, Mathematical Modeling of Peptide Formation under Prebiotic Conditions
2. **Pedro Nalon Moraes**, Optimization of the polymer injection process for improved oil recovery
3. **Thiago Cordeiro Santos**, Fractional SIR model with cross diffusion

EDP-Evolução

1. **Arthur Muscardi Neves**, Mathematical Modeling of Particle Transport in Porous Media under Rainfall-Induced Flow
2. **Daniel Silva**, Decay rates of C_0 -semigroup: Mlog theorems (Batty–Duyckaerts) and optimality theorems (Borichev–Tomilov)
3. **Lucas Silva**, Global strong solutions and decay estimates for a penalized nonhomogeneous nematic liquid crystal model in 3D thin domains
4. **Thaís S. de Oliveira**, Rainfall-Triggered Slope Liquefaction Modeling in Juiz de Fora via Hyperbolic Conservation Laws

EDP-Elíptica

1. **Anna P. Rodrigues**, Existence of Solutions for a Semilinear Elliptic Problem via Direct Method and the Mountain Pass Theorem
2. **Carlos E. Segantin**, Integrable vs. Measure Data in the Nonlinear Dirichlet Problem with Absorption
3. **Erick Carpio**, Ground states for a p -Schrödinger-Poisson system with indefinite potential
4. **Jenny Carbajal**, Kirchhoff p -Laplacian equation with a nonlocal singular exponent
5. **Karen Nobotike**, Study of Singular Elliptic Problems Involving the p -Laplacian
6. **Luis C Urbiñes**, Optimal gradient estimates for quasilinear elliptic models of p -Laplacian type via blow-up procedure
7. **Samuel Valério**, A Quasilinear Elliptic Equation Beyond the Trudinger-Moser Growth
8. **Túlio Alves**, A Subdifferential Approach to the p to 1^+ Limit of Fractional Sobolev Constants
9. **Vanessa C. dos Santos**, Multiplicity of Solutions for a Stationary Schrödinger Equation via Lusternik–Schnirelmann Theory