

**XVIII ENCONTRO NACIONAL DE ANÁLISE MATEMÁTICA E
APLICAÇÕES – XVIII ENAMA
05 A 07 DE NOVEMBRO DE 2025
IME-UFBA**

PROGRAMAÇÃO ENAMA (2025)				
HORÁRIO	LOCAIS	05/11/2025 – QUARTA-FEIRA	06/11/2025 – QUINTA-FEIRA	07/11/2025 – SEXTA-FEIRA
08:30-09:15	Auditório do IME	Abertura	Enrique Zuazua Minicurso	Enrique Zuazua Minicurso
09:15-10:00		Jaqueline Mesquita Palestra	Fernando Costa Jr. Minicurso	Fernando Costa Jr. Minicurso
10:00-10:30	Foyer do IME	Intervalo	Intervalo	Intervalo
10:30-11:15	Auditório do IME & Foyer do IME	Enrique Zuazua Minicurso	Pôster	Pôster
11:15-12:00		Fernando Costa Jr. Minicurso	Sandra Moreira Neto Palestra	Alexandre N. de Carvalho Palestra
12:00-13:40	-	ALMOÇO	ALMOÇO	ALMOÇO
13:40-16:00 Comunicações Orais	Auditório do Inst. de Letras	Análise I	Análise II	Análise IV
	Auditório do PAF 1	Evolução I	Evolução III	
	Auditório do IME	Elíptica I	Elíptica III	Elíptica V
16:00-16:30	Foyer do IME	Intervalo	Intervalo	Encerramento
16:30-19:00 Comunicações Orais	Auditório do Inst. de Letras	EDO-EDF-EDI	Análise III	
	Auditório do PAF 1	Evolução II	Evolução IV	
	Auditório do IME	Elípica II	Elíptica IV / Análise Numérica	

Apresentações plenárias:

Alexandre N. de Carvalho (ICMC - USP) - Gradient structure of Cascade systems under non-autonomous perturbations

Enrique Zuazua (FAU - Alemanha) - PDE+D: Hybrid PDE and Data-Driven Modelling

Fernando Costa Jr. (UFPB) - Algebrabilidade em dinâmica linear e aplicações aos shifts sobre árvores

Jaqueline Mesquita (Unicamp) - Periodicidade e quase-periodicidade para equações dinâmicas em escalas temporais e suas aplicações

Sandra Neto (UEMA) - Alguns resultados envolvendo as equações de Schrödinger quasilineares

Quarta-feira – 05 de novembro de 2025
IME-UFBA (13:40-16:00)

Auditório do IME (EDP-Elíptica I)		Auditório do PAF 1 (EDP-Evolução I)	
Coordenadora: Sandra Neto		Coordenador: Haroldo Clark	
13:40 – 14:00	Alessio Fiscella, Double phase problems involving sandwich type and critical growth	Bruno de Andrade, Semilinear reaction-diffusion equations with memory	
14:00 – 14:20	Ayana Santana, Regularizing Effect for a Nonlocal Maxwell-Schrödinger System	Eder Mateus, Existence of singular solutions for nonlinear wave equations	
14:20 – 14:40	Claudiney Goulart, Multiplicity of solutions for a class of logistic problems	Elaine Tavares, Asymptotic Behavior and Attractor Continuity in Semilinear Parabolic Problems on Degenerate Thin Domains	
14:40 – 15:00	Denilson Pereira, Nodal solutions for fractional Kirchhoff problems involving critical exponential growth	Flank Bezerra, Chebyshev polynomials, differential equations and fractional powers	
15:00 – 15:20	Diego Ferraz, Positive ground states for integrodifferential Schrödinger-poisson systems	Gleiciane Aragão, Pullback attractors for non-autonomous heat equations on time-varying domains with Neumann boundary conditions	
15:20 – 15:40	Edcarlos Silva, Existence and multiplicity of solutions for fractional p-Laplacian with critical nonlinearity in $\mathbb{R}^N$ via nonlinear Rayleigh Quotient	José Guilherme Simion, Uniform decay for the wave equation on compact Riemannian manifold with exponential source term	
15:40 - 16:00	Thiago Cavalcante, Nonlocal quasilinear elliptic problems on in bounded domains	Sergey Sergeev, Long-wave approximation in the Cauchy problem for the wave propagation in the continuous model for the 1D diatomic crystal	
16:00 - 16:30 Intervalo – Foyer IME			

Auditório do Inst. de Letras (Análise I)	
Coordenador: Geraldo Botelho	
13:40 – 14:00	Elisa Santos , Stability results for the Bishop-Phelps-Bollob'as property
14:00 – 14:20	Thiago Grando , Stability results of the generalized approximate hyperplane series property
14:20 – 14:40	Nacib Albuquerque , A summability principle and applications
14:40 – 15:00	Daniel Nuñez A. , Fused Grothendieck's and Kwapien's theorems for nonlinear maps
15:00 – 15:20	Gustavo Araújo , General criteria for spaceability in complements of unions
15:20 – 15:40	Luiz F. de P. Sousa , Spaceability in standard sequence spaces
15:40 – 16:00	Jorge Nicolás Caro Montoya , The sharp constants in the real anisotropic Littlewood's $4/3$ inequality
16:00 - 16:30 Intervalo – Foyer IME	

Quarta-feira – 05 de novembro de 2025
IME-UFBA (16:30-19:00)

Auditório do IME (EDP-Elíptica II)		Auditório do PAF 1 (EDP-Evolução II)	
Coordenador: Edcarlos Silva		Coordenador: Eder Mateus	
16:30 – 16:50	Eduardo Lima , Positive solutions for a Kirchhoff-type problem with critical growth in $\mathbb{R}^N$	Brandon Carhuas-Torre , Existence and non-existence of solutions for the Hardy parabolic equation with singular initial data	
16:50 – 17:10	Elaine Leite , Nonlocal Elliptic System involving the Laplacian Fractional Operator Via Rayleigh's quotient	Miguel Loayza , Global existence for a coupled parabolic systems with general sources	
17:10 – 17:30	Yino Carranza , Existence results for the Δ -Laplacian problem with a critical concave-convex nonlinearity	Genilson Santana , Decay rates given by regularly varying functions for C_0 -semigroups on Banach spaces	
17:30 – 17:50	Eudes Barboza , Existence results for some elliptic problems in $\mathbb{R}^N$ including variable exponents above the critical growth	Geraldo Araújo , Approximation of a Navier-Stokes-Voigt type system by a Cauchy-Kowaleska type system	
17:50 – 18:10	Grey Ercole , Convergence of solutions to p -Laplacian problems perturbed with a convective term	Carlos Nonato , Hyperbolic-elliptic shear beam model with Kelvin-Voigt damping	
18:10 – 18:30	Uberlândio Severo , On a class of prescribed mean curvature equations with critical growth in the whole $\mathbb{R}^2$	Alysson Cunha , The generalized fractional KdV equation in weighted Sobolev spaces	
18:30 – 18:50		Ricardo Freire , Blow-up and global solutions for a singular parabolic equation on the Heisenberg group	
19:00 - Acarajé			

Auditório do Inst. de Letras (EDO-EDF-EDI)	
Coordenadora: Jaqueline Mesquita	
16:30 – 16:50	Adriano Peixoto , Two positive solutions for a nonlinear mixed boundary problem with sign-changing weight
16:50 – 17:10	Fernanda Andrade , Rethinking integrability in stochastic calculus: a new perspective with non-absolute integrals
17:10 – 17:30	Marielle Silva , Pullback oscillation for linear Generalized ODEs
17:30 – 17:50	Paulo Carvalho , A general version of Carathéodory's theorem for fractional differential systems
17:50 – 18:10	Renato Fehlbeg Jr. , On continuously differentiable vector-valued functions of non-integer order
18:10 – 18:30	Ronaldo Murakami , Almost periodic functions on isolated time scales
19:00 - Acarajé	

Quinta-feira – 06 de novembro de 2025
IME-UFBA (13:40-16:00)

Auditório do IME (EDP-Elíptica III)		Auditório do PAF 1 (EDP-Evolução III)	
Coordenador: Uberlândio Severo		Coordenador: Geraldo de Araújo	
13:40 – 14:00	Jeferson Nascimento Silva , On a Sobolev-type inequality and its minimizers	Haroldo Clark , Kirchhoff-type thin plates with mixed boundary conditions	
14:00 – 14:20	Jônison Carvalho , A class of Hartree-Fock systems with null mass via Nehari-Pohozaev in dimension two	Hugo Fernández Sare , Rates of decay of MGT thermoelastic plates	
14:20 – 14:40	Junior Bessa , Weighted Orlicz estimates for fully nonlinear elliptic models with oblique tangential derivative condition	Isadora Jesus , On the stability of the Kawahara equation with a distributed infinite memory	
14:40 – 15:00	Leandro Vieira , Nonlinear perturbations of a periodic magnetic Choquard equation with Hardy-Littlewood-Sobolev critical exponent	Luan S de Sousa , Two stability results for the Kawahara equation with a time-delayed boundary control	
15:00 – 15:20	Gustavo Ramos , Ground states of normalized nonlocal nonlinear problems with a point interaction	Luciano Cipriano , Local null controllability for the Navier--Stokes system in a non-cylindrical domain	
15:20 – 15:40	Manuela Rezende , A local approach to resonant elliptic equations with dependence on the gradient	Yolanda Ayala , Existence and continuous dependence of the local solution of non homogeneous third order equation	
16:00 - 16:30 Intervalo – Foyer IME			

Auditório do Inst. de Letras (Análise II)	
Coordenador: Jamilson Campos	
13:40 – 14:00	Mikaela Aires , Spaces of sequences not converging to zero
14:00 – 14:20	Geraldo Botelho , Almost positive pointwise latticeability in sequence spaces
14:20 – 14:40	Vinícius Miranda , On norm-attaining positive operators between Banach lattices
14:40 – 15:00	Luis A. Garcia , Arens extensions of disjointness preserving multilinear operators on Riesz spaces
15:00 – 15:20	Ariel Monção , On the adjoint of multilinear operators between Riesz spaces
15:20 – 15:40	Leodan Torres , Entropy numbers of polynomials and holomorphic functions
15:40 – 16:00	Wilson Cuellar C. , On inessential perturbations and Kalton-Peck space
16:00 - 16:30 Intervalo – Foyer IME	

Quinta-feira – 06 de novembro de 2025
IME-UFBA (16:00-18:50)

Auditório do IME (EDP-Elíptica IV/Análise Numérica)		Auditório PAF 1 (EDP-Evolução IV)
Coordenador: Sandra Malta		Coordenador: Miguel Loayza
16:30 – 16:50	Rodrigo Clemente , p -Harmonic functions in the upper half space	Maicon Sônego , Control of a Lotka-Volterra system with weak competition
16:50 – 17:10	Willian Cintra , Asymptotic behavior of positive solutions for a degenerate logistic equation with mixed local and non-local diffusion	Marcos T. Primo , Synchronization in a Quasilinear System
17:10 – 17:30	Lucas da Silva , Global existence and regularity results for a class quasilinear non-uniformly elliptic problems with fast diffusion	Ronaldo Santos , Well-Posedness for a Quasilinear Combustion Model
17:30 – 17:50	Hugo de la Cruz , An Integrator for Simulating the Dynamics of Stochastic Urban Network Models	Wanderley do Nascimento , The effects of non-integrable data on the critical exponent for a σ -evolution equation with structural damping and nonlinear memory
17:50 – 18:10	Martha T. Sánchez , Numerical analysis of the discontinuous Galerkin method (SIPG)	Eugenio Cabanillas , On integrodifferential $p(x)$ -kirchhoff type equation with convection and Laplacian dependence
18:10 – 18:30	Rodrigo Madureira , Numerical simulation of a porous elastic system with Kelvin–Voigt damping from the second spectrum perspective	
19:30 - Jantar - Confraternização		

Auditório do Inst. de Letras (Análise III)	
Coordenador: Fernando Vieira Jr	
16:30 – 16:50	Geivison Ribeiro , Structurally Spaceable Sets and Linear Dynamics: General Criterion and rich subsets beyond ε -hypercyclicity
16:50 – 17:10	Daniel Gomes , Dynamics of composition operators on spaces of measurable functions
17:10 – 17:30	João V. A. Pinto , Distributional chaos for weighted composition operators on $L^p(\mu)$ spaces
17:30 – 17:50	Artur A. Blois , Linear dynamics for affine composition operators on a weighted bergman space
17:50 – 18:10	Felipe Carvalho Silva , On lineability of the set of hypercyclic vectors
19:30 - Jantar - Confraternização	

Sexta-Feira – 07 de novembro de 2025

IME-UFBA (13:40-16:00)

Auditório IME (EDP-Elíptica V)		Auditório do Inst. de Letras (Análise IV)	
Coordenadora: Elaine Leite		Coordenadora: Elisa Santos	
13:40 – 14:00	Gabriel Rodriguez Varillas , Existence of solutions for a class of $p(b(u))&q(b(u))$ elliptic problems	Victor Rochim , Structural properties of Banach spaces of I -null sequences homogeneous spaces	
14:00 – 14:20	Willy Barahona Martínez , Existence of solutions for a Kirchhoff type problem involving the $p(u)&q(u)$ -laplacian	Victor Barbosa , Convolution roots and Fourier-Jacobi approximation on compact two-point	
14:20 – 14:40	Marcos Carvalho , Asymptotic behavior of fractional Musielak-Orlicz-Sobolev modulars	Héctor Torres , On Orlicz ℓ_M -sums that contain a subspace without the AP and some problems about the relation of Lipschitz isomorphism between subspaces in a separable Banach space	
14:40 – 15:00	Mayra Soares , A New Approach to Inspect Weakly Coupled Logistic Systems and their Asymptotic Behavior	S. Orlando Juriaans , Transition probabilities and generalized differential geometry	
15:00 – 15:20	Wanessa Tavares , Metric perturbation theory for the L_T grushin operator		
15:20 – 15:40	Elzon Bezerra Jr , Global lipschitz estimates for fully non-linear singular perturbation problems with non-homogeneous degeneracy		
16:00-16:30 ENCERRAMENTO – Auditório IME			

Sessão de Pôsteres - Foyer IME

Quinta-feira- 06 de novembro de 2025
10:30-11:15

Análise

1. **Evandio Demétrio Jr**, Spaceability in hypercyclic and supercyclic operators
2. **Fábio Lima**, Common Hypercyclicity for Shifts on the Tree
3. **Luis Miguel Castaño**, An abstract Hardy--Littlewood method and applications
4. **Mateus Santos-Azevedo**, Sombreamento e estabilidade estrutural forte em Dinâmica Linear
5. **Mônica M. Santos**, A new approach to spaceability in sequence and function sets
6. **Oscar B. Ardila**, Tensors and nuclear operators that attain their norms
7. **Victor Borges**, Strictly positive definite functions on real spheres

EDP-Elípticas

1. **Francisco J. Chaves de Lima**, Existence and nonexistence results for a semilinear elliptic equation with critical growth
2. **Laura Ospina**, Schauder estimates for non-convex fully nonlinear elliptic PDEs with Dini continuous data
3. **Túlio Alves**, Asymptotic behaviour of solutions to a family of p -Laplacian problems
4. **Yasmin de Carvalho**, Ground State Critical Points of Functionals on Cones
5. **Yuwei Hu**, A minimum problem associated with scalar Ginzburg-Landau equation and free boundary

Sessão de Pôsteres - Foyer IME

Sexta-feira, 07 de novembro de 2025
10:30-11:15

EDP-Evolução

1. **Beatriz Lonardoní**, On the orbital stability of periodic snoidal waves for the ϕ^4 -equation
2. **Carlos Rocha Neto**, Existence and Stability of Pullback Exponential Attractors for a Class of Non-Autonomous Reaction-Diffusion Equations
3. **Marcos Gabriel Ferreira-Silva**, On the controllability of parabolic equations with large parameters in small time
4. **Pehuen Hernandez**, A Study of the Global Well-Posedness for the Inhomogeneous Navier-Stokes Equations with Variable Viscosity in Besov Spaces
5. **Rafael de Jesus**, Existence of global solution and global attractor for a suspended bridge system of Kirchhoff type with fractional derivative damping
6. **Tenilson Silva**, Global solvability to a mass-conserved Allen–Cahn phase-field model for two-phase ferrofluid flows
7. **Thais Gonçalves**, Global well-posedness for the nonlinear Schrödinger equation
8. **Vinícius Paula**, Mathematical and Numerical Investigation of the Exponential Stability of Piezoelectric Beams under Magnetic and Microtemperature Effects