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We certify that **Abdelmalek Zine** participated in and delivered the talk entitled
“**Timoshenko Beam, Uniqueness Results and Forces Identification**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de
Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Adriano De Cezaro** participated in and delivered the talk entitled
**“On a regularization strategy for simultaneous reconstruction of optical
coefficients from QPAT measurements in the radiative transfer regime”**
at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Adriano De Cezaro** participated in and delivered the talk entitled
“**On a regularization strategy for constrained inverse problems**” at the
12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied
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We certify that **Akshat Kumar** participated in and delivered the talk entitled “**Discrete microlocal methods**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Aleksei Liubavin** participated in and delivered the talk entitled
“**Source function recovery with asymptotic method for three-dimensional R-D-A equations**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Alessandro Benfenati** participated in and delivered the talk entitled “**Regularization via Latent Diffusion Models for Image Restoration**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Alessandro Benfenati** participated in and delivered the talk entitled “**Latent Space Techniques for Diffuse Optical Tomography Inverse Problems**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Alessandro Felisi** participated in and delivered the talk entitled
“**Compressed sensing for photoacoustic tomography**” at the 12th Applied
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We certify that **Alexander Juhani Brian Meaney** participated in and delivered the talk entitled “**Vectorial Total Variation for Image Reconstruction in Spectral Photon-Counting Detector CBCT**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Alexander Konstantin Denker** participated in and delivered the talk entitled “**Iterative Importance Fine-Tuning of Diffusion Models**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Alexandre Kawano** participated in and delivered the talk entitled
“**A Fluid-Structure interaction inverse problem**” at the 12th Applied Inverse
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We certify that **Alexandre Kawano** participated in and delivered the talk entitled
“**Reconstructing Loads in Nanoplates from Dynamic Data**” at the 12th
Applied Inverse Problems Conference (AIP 2025), held at the School of Applied
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We certify that **Alfredo Iusem** participated in and delivered the talk entitled
“**Levenberg-Marquardt methods for systems of equations with
additional convex constraints**” at the 12th Applied Inverse Problems
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We certify that **Amal Alghamdi** participated in and delivered the talk entitled
“**Bayesian inversion of CT data to characterize transport in the mouse ear**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Anamika Purohit** participated in and delivered the talk entitled
“**Inverse problem for a time-dependent convection-diffusion equation in
admissible geometries**” at the 12th Applied Inverse Problems Conference (AIP
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We certify that **Anamika Purohit** participated in and delivered the talk entitled “**An inverse problem for a time-dependent convection-diffusion equation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Andrea Aspri** participated in and delivered the talk entitled “**Data-Driven Regularization Techniques for Linear Inverse Problems**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Andrea Aspri** participated in and delivered the talk entitled
“**Analysis of Generalized Iteratively Regularized Landweber Iterations
driven by data**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Andrea Sebastiani** participated in and delivered the talk entitled
“**A Plug-and-Play block proximal heavy ball method for resource
constrained scenarios**” at the 12th Applied Inverse Problems Conference (AIP
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We certify that **Andrea Sebastiani** participated in and delivered the talk entitled
“**Learning from limited data: a Self-Supervised DEQ approach for
Sparse-Angle CT Reconstruction**” at the 12th Applied Inverse Problems
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We certify that **Andrej Carl Brojatsch** participated in and delivered the talk entitled “**How to solve inverse elliptic coefficient problems by semidefinite convex optimisation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Andrew Shedlock** participated in and delivered the talk entitled
“**Several Equivalent Source-to-Solution Inverse Problems on Complete
Riemannian Manifolds**” at the 12th Applied Inverse Problems Conference (AIP
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We certify that **Andrew Shedlock** participated in and delivered the talk entitled
“**An Inverse Problem for Hyperbolic PDEs on Complete Riemannian
Manifolds**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at
the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap,
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We certify that **Anna Maria Massone** participated in and delivered the talk entitled
“**Deep Learning for Solar Active Region Classification**” at the 12th Applied
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We certify that **Anna Volpara** participated in and delivered the talk entitled “**From X-ray Visibilities to Electron Maps: An Inverse Approach with STIX Data**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Anson Macdonald** participated in and delivered the talk entitled
“**Convergence Aspects of Hybrid Kernel SVGD**” at the 12th Applied Inverse
Problems Conference (AIP 2025), held at the School of Applied Mathematics of the
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We certify that **Antonino Morassi** participated in and delivered the talk entitled
“**Identification of the mass density in a nanoplate from finite eigenvalue data**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Antonio Leitao** participated in and delivered the talk entitled “**A piecewise constant levelset approach for semi-blind deconvolution: Application to barcode decoding**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Antti Kykkänen** participated in and delivered the talk entitled
“**Geometry of gas giants and inverse problems**” at the 12th Applied Inverse
Problems Conference (AIP 2025), held at the School of Applied Mathematics of the
Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to
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We certify that **Antti Kykkänen** participated in and delivered the talk entitled “**The elastic ray transform**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Audrey Repetti** participated in and delivered the talk entitled
“**Learning Monotone Operators: Application to Inverse Imaging Problems**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Audrey Repetti** participated in and delivered the talk entitled
“**Unfolded proximal neural networks for computation imaging**” at the 12th
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We certify that **Asteroide Santana** participated in and delivered the talk entitled
“**Math Meets Genomics: Using Optimization to Track Pathogen Variants**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Aurora Poggi** participated in and delivered the talk entitled “**Data-driven multi-agent modelling of calcium interactions in cell culture**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Barbara Kaltenbacher** participated in and delivered the talk entitled “**Multicoefficient identification and multiharmonics with the Jordan-Moore-Gibson-Thompson equation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Barbara Kaltenbacher** participated in and delivered the talk entitled “**On Bayesian inference and OED in photoacoustic tomography with fractional attenuation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Barbara Palumbo** participated in and delivered the talk entitled
“**3D reconstruction of solar flare emission**” at the 12th Applied Inverse
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We certify that **Bastian Graf Von Harrach-Sammet** participated in and delivered the talk entitled “**From inverse coefficient problems to semidefinite optimization**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Benjamin Palacios** participated in and delivered the talk entitled
“**The inverse photoacoustic tomography problem in fractionally
attenuating media**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Benjamin Walder** participated in and delivered the talk entitled
“**Self-Supervised Sparse-Dense Optical Resolution Photoacoustic
Microscopy**” at the 12th Applied Inverse Problems Conference (AIP 2025), held
at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Bojan Guzina** participated in and delivered the talk entitled “**MECR framework for the characterization of linear viscoelastic solids**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Boya Liu** participated in and delivered the talk entitled “**Partial data inverse problems for the biharmonic operator with first order perturbation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Boya Liu** participated in and delivered the talk entitled “**Partial data inverse problem for the semi-linear wave equation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Carl Valter Pohjola** participated in and delivered the talk entitled
“**A linearized monotonicity method for elastic waves**” at the 12th Applied
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We certify that **Carlos Cardoso Borges** participated in and delivered the talk entitled **“FFT-Accelerated Inverse Volume Scattering in Three Dimensions Using Continuation in Frequency”** at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Chandni Thakkar** participated in and delivered the talk entitled
“**Inversion formula and UCP results for the mixed ray transform in 2-D
Euclidean space**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Christian Aarset** participated in and delivered the talk entitled
“**Optimality conditions for sensor placement in OED**” at the 12th Applied
Inverse Problems Conference (AIP 2025), held at the School of Applied
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We certify that **Claudio Estático** participated in and delivered the talk entitled
“**Mild data-driven regularization for brain stroke monitoring via
microwave inverse scattering**” at the 12th Applied Inverse Problems
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We certify that **Cristiano Arbex Valle** participated in and delivered the talk entitled
“**Optimisation and simulation of portfolios with equities, futures and options**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the
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We certify that **Daniel Sanz-Alonso** participated in and delivered the talk entitled
“**Long-time accuracy of ensemble Kalman filters for chaotic and machine-learned dynamical system**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Danilo de Freitas** participated in and delivered the talk entitled
“**Controlled Latent Diffusion Models for 3D Porous Media
Reconstruction**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Danilo Pezzi** participated in and delivered the talk entitled
“**Learning Variational Models: From Bilevel Optimization to Algorithm
Unrolling**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at
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We certify that **Darko Volkov** participated in and delivered the talk entitled
“**Passive inverse problems: stability and neural network solutions**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **David Villacis** participated in and delivered the talk entitled
“**Bilevel Hyperparameter Learning for Nonsmooth Regularized Imaging
and Machine Learning Models**” at the 12th Applied Inverse Problems
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We certify that **Davide Bianchi** participated in and delivered the talk entitled
“**Unsupervised graphLaNet for imaging applications**” at the 12th Applied
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We certify that **Diana-Elena Mirciu** participated in and delivered the talk entitled
“**Higher order error estimates for regularization of inverse problems under non-additive noise**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMAP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Dirk Alfred Lorenz** participated in and delivered the talk entitled
“**Inexact splitting methods with relative errors**” at the 12th Applied Inverse
Problems Conference (AIP 2025), held at the School of Applied Mathematics of the
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We certify that **Dirk Alfred Lorenz** participated in and delivered the talk entitled
“**How to learn to regularize variationall**” at the 12th Applied Inverse Problems
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We certify that **Dmitri Pavlov** participated in and delivered the talk entitled “**Path integrals, inverse problems, and functorial field theory**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Dmitrii Chaikovskii** participated in and delivered the talk entitled
“**Fast coefficient identification in periodic reaction-diffusion-advection
models**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the
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We certify that **Douglas Soares Gonçalves** participated in and delivered the talk entitled “**Levenberg-Marquardt method with singular scaling for zero residue problems: intuition and results**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMAP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Douglas Soares Gonçalves** participated in and delivered the talk entitled “**Levenberg–Marquardt with singular scaling and applications**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Edoardo Calvello** participated in and delivered the talk entitled
“**Transformers for Data Assimilation**” at the 12th Applied Inverse Problems
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We certify that **Elena Beretta** participated in and delivered the talk entitled “**On the identification of early tumor states in some nonlinear reaction-diffusion models**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Elena Loli Piccolomini** participated in and delivered the talk entitled “**Stability-Aware Deep Learning Strategies for Image Deblurring under Uncertain Noise**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Elena Morotti** participated in and delivered the talk entitled “**A Learned Inverse Problem formulation for medical image enhancement under Contrast Agent Reduction**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Elena Morotti** participated in and delivered the talk entitled
“**Accelerating non-convex optimization with deep networks for sparse
CT reconstruction**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Eliott Kacedan** participated in and delivered the talk entitled
“**Analysis of the anisotropic elastic tensor recovery problem from
intenal data**” at the 12th Applied Inverse Problems Conference (AIP 2025), held
at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Elisa Francini** participated in and delivered the talk entitled
“**Unique continuation and stability estimates for inverse boundary value problems**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Elisa Francini** participated in and delivered the talk entitled “**A nonlinear inverse problem with applications in cardiac electrophysiology**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Elli Karvonen** participated in and delivered the talk entitled “**TILT: Topological Interface Recovery in Limited-Angle Tomography**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Elliott Macneil** participated in and delivered the talk entitled “**A Hybrid Gaussian Beam Method for the Wave Equation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Emilia Lavie Kyllikky Blaasten** participated in and delivered the talk entitled “**How did I end up here and how are inverse problems related?**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Emma Perrachione** participated in and delivered the talk entitled
“**Variably Scaled Kernels for the regularized solution of the parametric
Fourier imaging problem**” at the 12th Applied Inverse Problems Conference
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We certify that **Emma Perrachione** participated in and delivered the talk entitled
“**Feature Understanding and Sparsity Enhancement via 2-Layered
kernel machines (2L-FUSE)**” at the 12th Applied Inverse Problems Conference
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We certify that **Eva Sincich** participated in and delivered the talk entitled “**Size estimates for nanoplates**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Eviatar Bach** participated in and delivered the talk entitled
“**Nesterov Acceleration for Ensemble Kalman Inversion and Variants**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Eviatar Bach** participated in and delivered the talk entitled
“**Learning Optimal Filters Using Variational Inference**” at the 12th Applied
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We certify that **Fabian Schneider** participated in and delivered the talk entitled
“**Optimal approximation error approach in Bayesian inverse problems**”
at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Fábio Junior Margotti** participated in and delivered the talk entitled “**Inexact Newton regularizations with uniformly convex stability terms: A unified convergence analysis**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Fernando Groff** participated in and delivered the talk entitled “**On the Application of the ADO Method to the Coefficient Recovery Problem of the RTE**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Fernando Roldán** participated in and delivered the talk entitled
“**Relaxed and Inertial Nonlinear Forward-Backward with Momentum**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Fernando Roldán** participated in and delivered the talk entitled
“**Solution of Mismatched Monotone+Lipschitz Inclusion Problems**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Fernando Silva De Moura** participated in and delivered the talk entitled **“A real-time method for ventilation and blood pulsatility separation in functional images of the chest”** at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Fioralba Cakoni** participated in and delivered the talk entitled “**The Journal of Inverse Problems and the Birth of Non-iterative Inversion**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Florian Bossmann** participated in and delivered the talk entitled
“**Improved impedance inversion by iterated graph Laplacian**” at the 12th
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We certify that **Francois Monard** participated in and delivered the talk entitled “**X-ray transforms and transport twistor spaces**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Frank Werner** participated in and delivered the talk entitled
“**Optimal rates of convergence for variational regularization of Poisson
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held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Gaoming Chen** participated in and delivered the talk entitled
“**Determination of a small elliptical conductivity anomaly from minimal
and optimal boundary measurements**” at the 12th Applied Inverse Problems
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We certify that **Gesa Sarnighausen** participated in and delivered the talk entitled
“**Geometry of Lebesgue-Bochner spaces with an application in dynamic
inverse problems**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Gesa Sarnighausen** participated in and delivered the talk entitled
“**Lebesgue-Bochner spaces in dynamic inverse problems**” at the 12th
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We certify that **Giovanni Alberti** participated in and delivered the talk entitled
“**Learning (simple) regularizers for inverse problems**” at the 12th Applied
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We certify that **Giovanni Alberti** participated in and delivered the talk entitled “**The learned range test method for the inverse inclusion problem**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Giovanni Covi** participated in and delivered the talk entitled
“**Quantum algorithms for Inverse problems**” at the 12th Applied Inverse
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We certify that **Giuseppe Scarlato** participated in and delivered the talk entitled
“**A Preconditioned Version of a Nested Primal-Dual Algorithm for Image
Deblurring**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at
the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap,
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We certify that **Hadrian Quan** participated in and delivered the talk entitled
“**Stability of inverse problems arising from wave equations of Magnetic Schrödinger operators**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Haim Grebnev** participated in and delivered the talk entitled “**The Non-Abelian X-Ray Transform on Asymptotically Hyperbolic Spaces**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Hamidreza Anbarlooei** participated in and delivered the talk entitled “**Inverse Problem of Parameter Calibration from Diverse Observations for Complex Hydrocarbon Mixtures**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Hanming Zhou** participated in and delivered the talk entitled
“**Inverse problems for time-dependent nonlinear transport equations**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Helcio Orlando** participated in and delivered the talk entitled
**“Inverse Analysis to Detect Skin Cancer Tissue from Transient
Reflectance Signal of a Short-Pulse Laser Beam”** at the 12th Applied Inverse
Problems Conference (AIP 2025), held at the School of Applied Mathematics of the
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We certify that **Hiroyuki Chihara** participated in and delivered the talk entitled
“**Double fibration transforms with conjugate points**” at the 12th Applied
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We certify that **Hjørdis Amanda Schlüter** participated in and delivered the talk entitled “**An inverse problem in anisotropic elasticity**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Hjørdis Amanda Schlüter** participated in and delivered the talk entitled “**The second step in hybrid inverse problems in limited view**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Hok Shing Wong** participated in and delivered the talk entitled “**A bilevel framework for variational image reconstruction with learned convex regularisers**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Howard Levinson** participated in and delivered the talk entitled
“**Numerical Methods for a Fractional Helmholtz Problem**” at the 12th
Applied Inverse Problems Conference (AIP 2025), held at the School of Applied
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We certify that **Hugo Carrillo Lincopi** participated in and delivered the talk entitled **“PINNs-based blood flow data assimilation from PC-MRI data with artifacts”** at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Ilaria Trombini** participated in and delivered the talk entitled
“**Stochastic algorithms for the Computed Tomography (CT) problems**”
at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Indrani Zamindar** participated in and delivered the talk entitled
“**Tensor tomography using V-line transforms with vertices restricted to
a circle**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the
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We certify that **Indrani Zamindar** participated in and delivered the talk entitled “**2D V-line Tensor Tomograph**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Isaac Harris** participated in and delivered the talk entitled
“**Extending Qualitative Methods to Biharmonic Scattering**” at the 12th
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We certify that **Isaac Harris** participated in and delivered the talk entitled
“**Asymptotic Analysis Applied to Small Volume Inverse Shape Problems**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Isabela Vasconcellos Viana** participated in and delivered the talk entitled “**Fast accelerated solver for the inverse obstacle scattering using multifrequency data**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **James Webber** participated in and delivered the talk entitled
“**Microlocal analysis of non-linear operators arising in Compton CT**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Jiayang Shi** participated in and delivered the talk entitled
“**Rethinking Self-Supervised Learning in Inverse Problems for Imaging**”
at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Joel Conceição Rabelo** participated in and delivered the talk entitled “**On an inertial Levenberg-Marquardt method**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Johannes Wagner** participated in and delivered the talk entitled
“**Global Concave Optimization for the Calderón Problem with Finitely
Many Unknowns**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **John Schotland** participated in and delivered the talk entitled
“**Radiative Transport of Entangled Photons**” at the 12th Applied Inverse
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We certify that **John Schotland** participated in and delivered the talk entitled
“**Acoustically Modulated Electromagnetic Inverse Source Problems**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Jorge Zubelli** participated in and delivered the talk entitled “**A Statistical Learning Approach to Local Volatility Calibration and Option Pricing**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **José Alberto Iglesias Martínez** participated in and delivered the talk entitled “**A one-cut conditional gradient method for total variation regularization**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Juan Pablo Agnelli** participated in and delivered the talk entitled
“**Combining electrical impedance tomography and machine learning for
stroke classification**” at the 12th Applied Inverse Problems Conference (AIP
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We certify that **Juan Pablo Agnelli** participated in and delivered the talk entitled
“**Diffuse optical tomography with an imperfectly known boundary**” at the
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We certify that **Kateryna Morozovska** participated in and delivered the talk entitled “**Discovering Partially Known Ordinary Differential Equations: A Case Study On The Cellulose Degradation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Kathrin Hiltrud Hellmuth** participated in and delivered the talk entitled “**On Qualitative Experimental Design**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Katya Krupchyk** participated in and delivered the talk entitled
“**Anisotropic fractional Calderón problem with external data**” at the 12th
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We certify that **Katya Krupchyk** participated in and delivered the talk entitled
“**Calderón problem for fractional Schrödinger operators on closed
Riemannian manifolds**” at the 12th Applied Inverse Problems Conference (AIP
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We certify that **Kirill V. Golubnichi**y participated in and delivered the talk entitled
“**Ill-Posed Problem for the Black-Scholes Equation Solution and
Machine Learning**” at the 12th Applied Inverse Problems Conference (AIP 2025),
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We certify that **Kui Ren** participated in and delivered the talk entitled “**Reduced Order Models for Inverse Transport Problems**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Laura Antonelli** participated in and delivered the talk entitled
“**Graph-Based Image Segmentation through Regularized Min-Cut Formulations**” at the 12th Applied Inverse Problems Conference (AIP 2025), held
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We certify that **Laura Bazahica** participated in and delivered the talk entitled
“**Uncertainty quantification for electrical impedance tomography using
quasi-Monte Carlo methods**” at the 12th Applied Inverse Problems Conference
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We certify that **Laurent Seppecher** participated in and delivered the talk entitled
“Recent advances on inverse elasticity problems applied to material
and medical imaging” at the 12th Applied Inverse Problems Conference (AIP
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We certify that **Lauri Oksanen** participated in and delivered the talk entitled “**On the interplay between the light ray and the magnetic X-ray transforms**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Lauri Oksanen** participated in and delivered the talk entitled
“**Minkowski metric is rigid in the Lorentzian Calderon problem**” at the
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We certify that **Lena Dunst** participated in and delivered the talk entitled “**Large-Scale Model-Based 3D Image Reconstruction for Raster-Scan Optoacoustic Mesoscopy**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMAP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Leonard Busch** participated in and delivered the talk entitled
“**Analytic Fourier Integral Operators and Inverse Problems**” at the 12th
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We certify that **Leonardo Galli** participated in and delivered the talk entitled
“**Nonmonotone stochastic line searches without overhead for training
neural networks**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Leonid Kunyansky** participated in and delivered the talk entitled
“**Range description for the free space wave operator**” at the 12th Applied
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We certify that **Luca Calatroni** participated in and delivered the talk entitled
“**Image reconstruction with (learned) regularisation parameter maps**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Luca Calatroni** participated in and delivered the talk entitled
“**Bregman-relaxations of ℓ_0 -regularised criteria with general data terms**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the
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We certify that **Luca Ratti** participated in and delivered the talk entitled “**Convex regularization for static and dynamic inverse problems with randomly subsampled measurements**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMAP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Luca Ratti** participated in and delivered the talk entitled “**Sample error estimates for sparsity-promoting learned regularizers**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Luca Rondi** participated in and delivered the talk entitled
“**Handling regularization and discretization in the reconstruction for
elliptic inverse problems**” at the 12th Applied Inverse Problems Conference
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We certify that **Luis Briceño-Arias** participated in and delivered the talk entitled
“**Lyapunov analysis for FISTA under strong convexity**” at the 12th Applied
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We certify that **Luis Fernando Nazari** participated in and delivered the talk entitled
“**Physics-Informed Neural Network for Water Flow Prediction and Flood Control in a Watershed**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Maicon Marques Alves** participated in and delivered the talk entitled “**A strongly convergent inertial proximal algorithm with applications to variational inequalities**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Malena Espanol** participated in and delivered the talk entitled
“**Variable Projection Methods for Large-scale Inverse Problems**” at the
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We certify that **Malena Espanol** participated in and delivered the talk entitled
“**Edge-preserving Randomized Iterative Methods for X-ray Computed Tomography**” at the 12th Applied Inverse Problems Conference (AIP 2025), held
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We certify that **Manabu Machida** participated in and delivered the talk entitled
“**Nonlinear Rytov approximation with the inverse Rytov series**” at the
12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied
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We certify that **Mandeep Kumar** participated in and delivered the talk entitled
“**Stability of time-independent coefficients of relativistic Schrödinger
equation in infinite waveguide**” at the 12th Applied Inverse Problems
Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio
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We certify that **Margaret Duff** participated in and delivered the talk entitled
“**Stochastic Optimisation in Imaging Inverse Problems with Examples
in CT, PET and Motion Compensated MR**” at the 12th Applied Inverse
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We certify that **Maria Angeles Garcia-Ferrero** participated in and delivered the talk entitled “**Concentration inequalities and signal recovery**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Maria Angeles Garcia-Ferrero** participated in and delivered the talk entitled “**Reconstruction for the Calderón problem with Lipschitz conductivities**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Markus Juvonen** participated in and delivered the talk entitled
“**Dual-grid parameter choice method with application to deblurring**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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We certify that **Martin Halla** participated in and delivered the talk entitled “**On the instabilities of naive FEM discretizations for PDEs with sign-changing coefficients**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Martin Huska** participated in and delivered the talk entitled
“**Predictor-Corrector Strategy for Nonconvex Problems with
Application to 1D Signal Decomposition**” at the 12th Applied Inverse
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We certify that **Martin Zach** participated in and delivered the talk entitled “**A Bayesian Revolution in the Age of Deep Learning**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Masahiro Yamamoto** participated in and delivered the talk entitled
“**With the Journal Inverse Problems: a personal viewpoint**” at the 12th
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We certify that **Matias Courdurier** participated in and delivered the talk entitled
“**Inverse problem for a transport equation pencil beam approximation
on slightly variable speed media**” at the 12th Applied Inverse Problems
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We certify that **Matias Courdurier** participated in and delivered the talk entitled
“**Analysis of Neural Activation in Time-dependent Membrane Capacitance Models**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Matteo Santacesaria** participated in and delivered the talk entitled
“**Learning the optimal regularizer for inverse problems**” at the 12th Applied
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We certify that **Matteo Santacesaria** participated in and delivered the talk entitled
“**Self-Supervised Deep Equilibrium Learning for Sparse-Angle CT Reconstruction**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Matti Lassas** participated in and delivered the talk entitled
“**Inverse scattering problems for non-linear wave equations**” at the 12th
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We certify that **Matti Lassas** participated in and delivered the talk entitled
“**Manifold learning and inverse problems**” at the 12th Applied Inverse
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We certify that **Medet Nursultanov** participated in and delivered the talk entitled
“**The backscattering problem for time-dependent potentials**” at the 12th
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We certify that **Melody Alsaker** participated in and delivered the talk entitled
“**Toward Virtual X-ray CT Reconstructions from Human Data
Measurements**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Mengni Li** participated in and delivered the talk entitled “**Recent progress on the inverse scattering theory for ideal Alfvén waves**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Meri Laurikainen** participated in and delivered the talk entitled
“**Recovering the metric from relative distance comparison data**” at the
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We certify that **Michael Hintermueller** participated in and delivered the talk entitled “**Quantitative magnetic resonance imaging: data-driven, physics integrated models**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Michael Michael V. Klibanov** participated in and delivered the talk entitled “**Convexification Method in Inverse Problems**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Michel Cristofol** participated in and delivered the talk entitled
“**Versatility of Carleman estimates: application to inverse problems for
Maxwells system**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Nathan Soedjak** participated in and delivered the talk entitled
“**Imaging Second Harmonic Generation in Quantitative Thermoacoustics**” at the 12th Applied Inverse Problems Conference (AIP 2025),
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We certify that **Nicolas Alejandro Barnafi Wittwer** participated in and delivered the talk entitled “**The inverse (poro)elasticity problem**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Nicholas Boffi** participated in and delivered the talk entitled
“**Stochastic interpolants: from generative modeling to generative science and engineering**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMAP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Nikolaos Eptaminitakis** participated in and delivered the talk entitled “**Tensor Tomography on the Hyperbolic Disk**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Oliver Dunbar** participated in and delivered the talk entitled
“**Tuning randomized learning algorithms: A case study for random
feature regression**” at the 12th Applied Inverse Problems Conference (AIP
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We certify that **Otmar Scherze** participated in and delivered the talk entitled
“**Regularization of Nonlinear Inverse Problems - From Functional
Analysis to Data-Driven Approaches**” at the 12th Applied Inverse Problems
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We certify that **Paolo Angella** participated in and delivered the talk entitled
“**Diffusing Motion Artifacts for unsupervised correction in brain MRI
images**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the
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We certify that **Parveen Kumar** participated in and delivered the talk entitled
“**Determining the time dependent convection term and matrix valued
potential in a heat equation from partial data**” at the 12th Applied Inverse
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We certify that **Patricio Guerrero Prado** participated in and delivered the talk entitled “**A Primal-Dual algorithm with Krylov subspace projection for X-ray computed tomography**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Plamen Stefanov** participated in and delivered the talk entitled
“**Lorentzian scattering rigidity, recent results**” at the 12th Applied Inverse
Problems Conference (AIP 2025), held at the School of Applied Mathematics of the
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We certify that **Rafaela Filippozzi** participated in and delivered the talk entitled
“**On the regularization property of Levenberg-Marquardt with Singular
Scaling for inverse problems**” at the 12th Applied Inverse Problems
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We certify that **Rahul Rahul** participated in and delivered the talk entitled “**Tensor tomography for a set of generalized V-line transforms in**

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2” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 1, 2025.

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We certify that **Rakesh Rakesh** participated in and delivered the talk entitled “**The fixed angle inverse scattering problem**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Richard Kowar** participated in and delivered the talk entitled “**Full-field Photoacoustic Tomography with Variable Sound Speed and Attenuation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Robert Plato** participated in and delivered the talk entitled “**Sparse variational regularization with oversmoothing in the scale of sequence spaces**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Ru-Yu Lai** participated in and delivered the talk entitled “**Partial data inverse problems for the nonlinear magnetic Schrödinger equation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Salla-Maaria Latva-Äijö** participated in and delivered the talk entitled “**The training of SVMs through a smooth sparse-promoting-regularized squared hinge loss minimization**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Salvatore Cuomo** participated in and delivered the talk entitled
“**Enhancing MRI Head and Neck Imaging with GAN-Based Noise and
Artifact Reduction**” at the 12th Applied Inverse Problems Conference (AIP 2025),
held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Samuli Siltanen** participated in and delivered the talk entitled
“**Electrical impedance tomography and virtual X-rays**” at the 12th Applied
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We certify that **Sara Sippola** participated in and delivered the talk entitled
“**Learned enclosure method for experimental EIT data**” at the 12th Applied
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We certify that **Saulo Pomponet Oliveira** participated in and delivered the talk entitled “**Inversion of magnetic anomalies from dikes incorporating data error estimates**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Sean Gomes** participated in and delivered the talk entitled
“**Lorentzian Calderón problem on vector bundles near Minkowski
geometry**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at
the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap,
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We certify that **Sebastian Acosta** participated in and delivered the talk entitled
“**Determination of ultrasonic properties using complex periodic solutions to the Westervelt equation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Sebastian Acosta** participated in and delivered the talk entitled
“**An efficient pseudodifferential preconditioner for the Helmholtz equation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Sebastián Alejandro Muñoz Thon** participated in and delivered the talk entitled “**A Calderóns problem for harmonic maps**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Sebastián Alejandro Muñoz Thon** participated in and delivered the talk entitled “**Guillarmou’s Pi operator for general flows and applications to the magnetic ray transform**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Sebastian Paul Hermann Banert** participated in and delivered the talk entitled “**Algorithms with learned deviations**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Serena Morigi** participated in and delivered the talk entitled “**Deep Unrolling Graph-Network for Nonlinear Multi-Frequency Electrical Impedence Tomography**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Shari Moskow** participated in and delivered the talk entitled “**On optimality and bounds for internal solutions generated from impedance data driven Gramians**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Shari Moskow** participated in and delivered the talk entitled “**The inverse Born series for the reconstruction of Kerr nonlinearities**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Shubham Ramkisan Jathar** participated in and delivered the talk entitled “**The matrix weighted real-analytic double fibration transforms**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Siiri Rautio** participated in and delivered the talk entitled “**Real-data EIT reconstruction using virtual X-rays and deep learning**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Silvia Berra** participated in and delivered the talk entitled
“**Calibrating parameters in mass-action chemical reaction networks
through inverse problems**” at the 12th Applied Inverse Problems Conference
(AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas
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We certify that **Simon Arridge** participated in and delivered the talk entitled “**A Fully Stochastic Reconstruction Method for Quantitative Photoacoustic Tomography**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Simon Arridge** participated in and delivered the talk entitled
“**Inverse Problems in the Age of AI**” at the 12th Applied Inverse Problems
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We certify that **Simone Sanna** participated in and delivered the talk entitled “**A convex lifting approach for the Calderón problem**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Soumen Senapati** participated in and delivered the talk entitled
“**Simultaneous Reconstruction of the Density, Bulk and Source in the
Time-Domain Wave Equation**” at the 12th Applied Inverse Problems
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We certify that **Spyridon Filippas** participated in and delivered the talk entitled
“**On the stability of a hyperbolic inverse problem**” at the 12th Applied
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We certify that **Stanley Osher** participated in and delivered the talk entitled “**A Novel Approach for Solving Hamilton-Jacobi Equations with Applications to Optimal Transport**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Stephen David Mis** participated in and delivered the talk entitled
“**Interpretable and interactive learned regularizes**” at the 12th Applied
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We certify that **Suman Kumar Sahoo** participated in and delivered the talk entitled
“**An inverse problem for a nonlinear biharmonic operator**” at the 12th
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We certify that **Suman Kumar Sahoo** participated in and delivered the talk entitled
“**Momentum ray transform and its applications to polyharmonic inverse problems**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Tahsin Khajah** participated in and delivered the talk entitled
“**Transmission imaging using sweeping Pade approximation of
pseudodifferential operators**” at the 12th Applied Inverse Problems
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We certify that **Tan Thanh Bui** participated in and delivered the talk entitled
“**TAEN: A Model-Constrained Tikhonov Autoencoder Network for Forward and Inverse Problems**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Teemu Saksala** participated in and delivered the talk entitled
“**Lipschitz Stability of Travel Time Data**” at the 12th Applied Inverse Problems
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We certify that **Teemu Saksala** participated in and delivered the talk entitled
“**Recovery of Time-Dependent Coefficients in Hyperbolic Equations on
Manifolds**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at
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We certify that **Teemu-Taneli Tapio Sahlström** participated in and delivered the talk entitled “**Estimation of electrical conductivity and permittivity in quantitative thermoacoustic tomography**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Thi Lan Nhi Vu** participated in and delivered the talk entitled
“**Neural network parametrized level sets for segmentation**” at the 12th
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We certify that **Tram Nguyen Thi Ngoc** participated in and delivered the talk entitled “**Viscous-inertial waves on the surface of the Sun: modeling, forward and inverse problems**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Tram Nguyen Thi Ngoc** participated in and delivered the talk entitled “**The extended adjoint state and nonlinearity in correlation-based passive imaging**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Thorsten Hohage** participated in and delivered the talk entitled “**A unified variational analysis of non-standard noise models**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Tobias Wolf** participated in and delivered the talk entitled “**Image deblurring under multiplicative noise**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Tommi Joni Henrik Heikkilä** participated in and delivered the talk entitled “**Robust accelerated PGET reconstruction for safe disposal of spent nuclear fuel**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Tommi Joni Henrik Heikkilä** participated in and delivered the talk entitled “**Multiresolution low-rank regularization in dynamic tomography**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Tristan Goodwill** participated in and delivered the talk entitled “**A fast direct solver for PDEs on surfaces**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Tuomo Valkonen** participated in and delivered the talk entitled
“**Differential estimates for fast first-order multilevel nonconvex optimisation**” at the 12th Applied Inverse Problems Conference (AIP 2025), held
at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV
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We certify that **Vanda Maria Luchesi** participated in and delivered the talk entitled
“**Reconstruction of Transient Anisotropic Diffusion Tensor in Diffusion Models**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMAP, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Victor Kovtunen** participated in and delivered the talk entitled
“**Lagrangian approach and shape gradient for inverse problem of
breaking line identification in solid**” at the 12th Applied Inverse Problems
Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio
Vargas Foundation – FGV EMaP, Rio de Janeiro, Brazil, from July 28 to August 01,
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We certify that **Vinicius Albani** participated in and delivered the talk entitled
“**Fitting Simultaneously the SPX and VIX Smiles**” at the 12th Applied Inverse
Problems Conference (AIP 2025), held at the School of Applied Mathematics of the
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We certify that **William Rundell** participated in and delivered the talk entitled
“**Undetermined coefficient problems for reaction diffusion equations**” at
the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of
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Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Yiran Wang** participated in and delivered the talk entitled
“**Reconstruction of the observable Universe from the Sachs-Wolfe effects**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Yiran Wang** participated in and delivered the talk entitled “**A uniqueness theorem for the Calderon problem with small anisotropies**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Yousry Azmy** participated in and delivered the talk entitled “**DIMP Approach to Computing the Radiation Source Distribution from the Responses of a Few Detectors**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Yuri Saporito** participated in and delivered the talk entitled
“**Nonparametric Instrumental Variable Regression through Stochastic
Approximate Gradients**” at the 12th Applied Inverse Problems Conference (AIP
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– FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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We certify that **Zeljko Kereta** participated in and delivered the talk entitled “**On Randomised Reconstruction Strategies in Optical Tomography**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.



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We certify that **Zeljko Kereta** participated in and delivered the talk entitled
“**Stochastic gradient methods in Banach Spaces**” at the 12th Applied
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We certify that **Ziyao Zhao** participated in and delivered the talk entitled “**An inverse Signorini obstacle problem**” at the 12th Applied Inverse Problems Conference (AIP 2025), held at the School of Applied Mathematics of the Getulio Vargas Foundation – FGV EMap, Rio de Janeiro, Brazil, from July 28 to August 01, 2025.

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