



Nonlinear PDE's @ IMPA

**IMPA, Rio de Janeiro, Brazil
August 04-08, 2008**

We certify that **Adán José Corcho Fernández** - *Universidade Federal de Alagoas* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: "***Kink-Soliton Wave Solutions for the Schrödinger-Korteweg de Vries System***".

Rio de Janeiro, August 07, 2008.

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August 04-08, 2008**

We certify that **Ademir Fernando Pazoto** - *Universidade Federal do Rio de Janeiro* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"Uniform stabilization for solutions of KDV type models posed on a bounded domain"***.

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We certify that **Ademir Pastor Ferreira** - *Instituto Nacional de Matemática Pura e Aplicada* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: "**Stability of Dnoidal wave solutions for a nonlinear Schrödinger type system**".

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We certify that **Alexandre Freire - Univ. of Tennessee** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: **"Mean Curvature Motion of Graphs With Constant Contact Angle and Moving Boundaries"**.

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We certify that **Bona, Jerry - University of Illinois at Chicago** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"Recent results on nonlinear waves"***.

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We certify that **Carlos Kenig - University of Chicago** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"Global well-posedness and scattering for the focusing, energy critical non-linear wave equation."***

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We certify that **Carlos Matheus Silva Santos - *College de France*** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: "***On the KAM theory of a NLS-KdV equation***".

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We certify that **Constantine Dafermos - *Brown University*** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: "**TBA**".

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We certify that **Didier Jacques François Pilod** - *Universidade Federal do Rio de Janeiro* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: *"On the local well-posedness of a higher-order Benjamin-Ono equation"*.

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We certify that **Eduardo Vasconcelos Oliveira Teixeira** - *Universidade Federal do Ceará* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: *"On optimal design problems"*.

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We certify that **Flavio Dickstein** - *Universidade Federal do Rio de Janeiro* participated in the "Nonlinear PDE's @ IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: *"Blowup for sign-changing solutions of the nonlinear heat equation in R^n ".*

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We certify that **Gérard, Patrick - Univ. Paris-Sud** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"High frequency solutions of the nonlinear Schroedinger equation on surfaces"***.

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We certify that **Gui-Qiang Chen - *Northwestern University*** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: "***On Nonlinear Partial-Differential Equations of Mixed Hyperbolic-Elliptic Type***".

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We certify that **Gustavo Alberto Perla Menzala** - *Universidade Federal do Rio de Janeiro* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"Energy decay rates of magneto elastic waves in a bounded conductive medium"***.

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We certify that **Gustavo Ponce** - *University of California Santa Barbara* participated in the "Nonlinear PDE's @ IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: *"Decay estimates and unique continuation properties of solutions to linear and non-linear Schrödinger equations"*.

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We certify that **Helena J. Nussenzveig Lopes** - *Universidade Estadual de Campinas* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: *"Transport of interfaces with surface tension by 2D viscous flows"*.

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We certify that **Jaime E. Muñoz Rivera** - *Universidade Federal do Rio de Janeiro* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: *"On the analyticity of viscoelastic systems"*.

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We certify that **Jean-Claude Saut - *Universite Paris - Sud*** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: "*Travelling waves to the Gross-Pitaevskii equation*".

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We certify that **Joel Santos Souza - Universidade Federal de Santa Catarina** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: *"Homogeneização da equação da onda com condições de Dirichlet relaxadas"*.

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We certify that **Jorge Mejía - *Universidad Nacional de Colombia*** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"Polynomial growth of the Sobolev norms of the global solutions for the Ostrovsky equation"***.

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We certify that **José Luiz Boldrini** - *Universidade Estadual de Campinas* participated in the "Nonlinear PDE's @ IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: *"Local Existence of Solutions of a Three Phase-Fields Model for"*.

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We certify that **LeFloch, Philippe G. - *Universite Pierre et Marie Curie*** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: "*Hyperbolic conservation laws on manifolds*".

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We certify that **Luiz Gustavo Farah Dias** - *Instituto de Matemática Pura e Aplicada* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"Global rough solutions to the cubic nonlinear Boussinesq equation"***.

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We certify that **Marcelo Moreira Cavalcanti** - *Universidade Estadual de Maringá* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: *"Stabilization of the Damped wave equation with Cauchy Ventcel boundary conditions"*.

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We certify that **Marcia Assumpção Guimaraes Scialom** - *Universidade Estadual de Campinas* participated in the "Nonlinear PDE's @ IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"On the Cauchy Problem for a system of third order Nonlinear Schrodinger Equations"***.

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We certify that **Paulo Ricardo de Avila Zingano** - *Universidade Federal do Rio Grande do Sul* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"Some problems and results on advection-diffusion equations"***.

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We certify that **Pedro Isaza - *Universidad Nacional de Colombia*** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: "***Local Cauchy problem for the Ostrovsky equation***".

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We certify that **Ricardo M. S. Rosa** - *Universidade Federal do Rio de Janeiro* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: *"Statistical solutions of the Navier-Stokes equations"*.

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We certify that **Roger Peres de Moura** - *Universidade Federal do Piauí* participated in the "Nonlinear PDE's @ IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"Local well-posedness for the nonlocal nonlinear Schrödinger equation below the energy space"***.

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August 04-08, 2008**

We certify that **Tai-Ping Liu - *Stanford University*** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work:
"Viscous Shock Waves".

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We certify that **Thierry Cazenave - Univ. Pierre et Marie Curie** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"Global existence and blow up for sign-changing solutions of the nonlinear heat equation"***.

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A handwritten signature in black ink that reads "Felipe Linares". The signature is written in a cursive, flowing style.

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We certify that **Wladimir Augusto das Neves** - *Universidade Federal do Rio de Janeiro* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: "*Conservation Laws on Manifolds*".

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We certify that **Xavier Carvajal Paredes** - *Universidade Federal do Rio de Janeiro* participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"On local smothing effects and Strichartz type estimates for the unitary group associated to the KdV equation"***.

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We certify that **Yann Brenier - University of Nice - Sophia Antipolis** participated in the "Nonlinear PDE's @IMPA", held at IMPA, Rio de Janeiro from August 04 to 08, 2008 and presented the following work: ***"The active scalar problem: shock waves, convection theory and fully nonlinear chemotaxis"***.

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