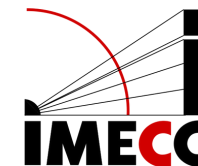




V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **David Ambrose** delivered a talk, entitled **Global existence for the 2D Kuramoto-Sivashinsky equation with a linearly growing mode in each direction**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

Gabriela Planas

Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Anne Bronzi** delivered a talk, entitled **On the Euler equations with helical symmetry**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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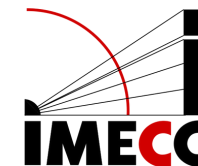
Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Ciro Campolina** delivered a talk, entitled **Incompressible fluid flows on logarithmic lattices**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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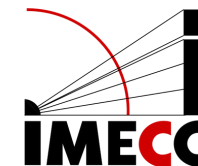
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Nikolai V. Chemetov** delivered a talk, entitled **Strong convergence in the inviscid limit for 2D-Navier-Stokes equations**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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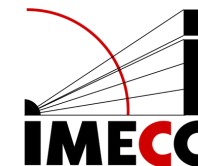
Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Alexey Cheskidov** delivered a talk, entitled **Critical solutions of the Navier-Stokes equations**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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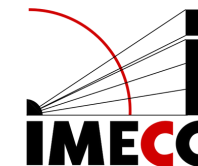
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



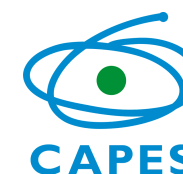
Certificate

We hereby certify that **Peter Constantin** delivered a talk, entitled **Hydrodynamic Pressure**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Gianluca Crippa** delivered a talk, entitled **An elementary proof of existence and uniqueness for the Euler flow in uniformly localized Yudovich spaces**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Mimi Dai** delivered a talk, entitled **Dyadic models for magnetohydrodynamics**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Yuanyuan Feng** delivered a talk, entitled **Dissipation-enhancing flows and applications**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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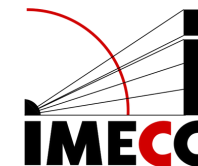
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Lucas C. F. Ferreira** delivered a talk, entitled **Borderline regularity for the long-time solvability of the rotating Euler equations**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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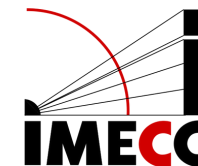
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Milton C. Lopes Filho** delivered a talk, entitled **Energy balance for weak solutions of the 2D Incompressible Euler equations**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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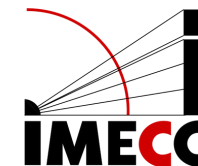
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Francisco Gancedo** delivered a talk, entitled **Local and global well-posedness in contour dynamics**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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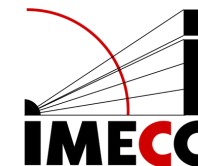
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Jiao He** delivered a talk, entitled **Wave-structure interactions: Oscillating water columns in shallow water**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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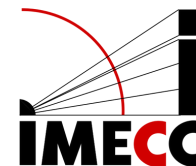
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Taoufik Hmidi** delivered a talk, entitled **KAM theory for active scalar equations**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Dragos Iftimie** delivered a talk, entitled **Vortex sheets in the half-plane and the α -Euler equations**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Gautam Iyer** delivered a talk, entitled **Anomalous Dissipation in Passive Scalar Transport**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Trevor Leslie** delivered a talk, entitled **Sticky Particle Methods for the 1D Euler Alignment System**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Helena J. Nussenzeig Lopes** delivered a talk, entitled **2D Navier-Stokes in bounded domains with holes and Navier boundary conditions**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Juliana Honda Lopes** delivered a talk, entitled **Existence of solutions for a non-isothermal Navier-Stokes-Allen-Cahn system with thermo-induced coefficients**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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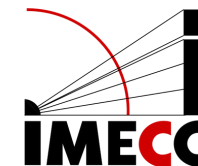
Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Alexei A. Mailybaev** delivered a talk, entitled **Hidden symmetries in fluid dynamics**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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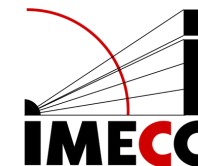
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Donati Martin** delivered a talk, entitled **Point vortex dynamics in bounded domain**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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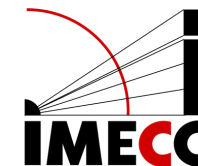
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Anna Mazzucato** delivered a talk, entitled **On Euler equations with in-flow and out-flow boundary conditions**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Cecilia Mondaini** delivered a talk, entitled **Long-term accuracy of numerical approximations of SPDEs**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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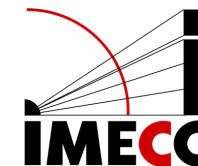
Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Andre Nachbin** delivered a talk, entitled **Capturing the flow structure beneath rotational waves**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Toan Nguyen** delivered a talk, entitled **Landau damping in the weakly collisional regime**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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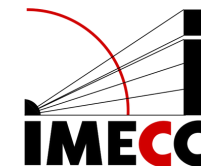
Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **César Niche** delivered a talk, entitled **The role of small frequencies in the large time behaviour of the damped wave equation**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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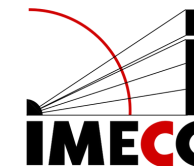
Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Fabio Ramos** delivered a talk, entitled **Complete and incomplete similarity for the mean velocity profile of turbulent pipe and channel flows at extreme Reynolds number**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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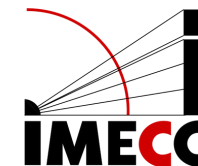
Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Ricardo M. S. Rosa** delivered a talk, entitled **On the equivalence between Lagrangian and Eulerian invariances in infinite dimensional systems**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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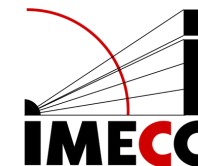
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Marco Sammartino** delivered a talk, entitled **Viscous MHD vorticity-current equations with data in $L^1(R^2)$** , at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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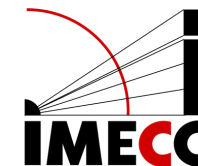
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V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Roman Shvydkoy** delivered a talk, entitled **Hypocoercive dynamics of Fokker-Planck-Alignment equations**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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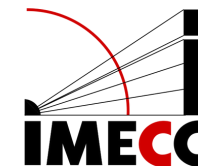
Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Stefano Spirito** delivered a talk, entitled **Finite Energy Weak Solutions of the Navier-Stokes-Korteweg equations**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

Campinas, October 1st, 2021.

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Organizing Committee





V Workshop on Fluids and PDE

Online - September 20th to October 1st, 2021



Certificate

We hereby certify that **Simon Thalabard** delivered a talk, entitled **Hidden scale invariance in Navier-Stokes intermittency**, at the **V Workshop on Fluids and PDE**, held virtually at Instituto de Matemática, Estatística e Computação Científica - IMECC/UNICAMP, Campinas, Brazil, from September 20th to October 1st, 2021.

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