

- Mini-school and workshop Analysis of PDEs of Fluid Mechanics and Related Models, Rice University. October 2015. Houston, Texas.
- International Summer School on Evolution Equations, Charles University and Institute of Mathematics of the Czech Academy of Sciences. July 2016, Prague.
- Spanish-French Workshop on Analysis of PDEs from fluid Mechanics, ICMAT. September 2016, Madrid.
- Workshop Recent advances in PDEs: Analysis, Numerics and Control, IMUS. January 2017, Sevilla.
- Summer School and Workshop: Mathematical Analysis of Water Waves and Related Models, Bodega Marine Laboratory, University of California, Davis. June 2017, Bodega Bay, CA, USA.
- IV Young Researchers Meeting, Real Sociedad Matemática Española. June 2017, Valencia.

Attended courses

- Lecture Series on PDE analysis of flows of implicitly constituted fluids, Josef Malek, IMUS. September 2014, Sevilla.
- Optimization methods in portfolio management, IMUS. November 2014, Sevilla.
- PDEs describing compressible heat-conducting fluids, Eduard Feireisl, IMUS. December 2014, Sevilla.
- Doc-Course: Applied mathematics and optimization, IMUS-BCAM. March - May 2015, Sevilla and Bilbao.
- II Sevilla Workshop on Mixed Integer NonLinear Programming, IMUS. March 2015, Sevilla.
- Lectures on Muskat problem, F. Gancedo, Institute of Mathematics of the Polish Academy of Sciences (IMPAN). May 2015, Varsovia.
- Conference Mathematics for better living, Alfio Quarteroni, IMUS. June 2015, Sevilla.
- Longtime behavior of dissipative evolution equations, Maurizio Grasselli, IMUS. June 2015, Sevilla.
- (II Pre-doc Course on Operation Research) An introduction to Bayesian Statistics and MCMC Methods, IMUS. June 2015, Sevilla.
- Homogenization of elliptic equations, François Murat, IMUS. December 2015, Sevilla.
- Statistical Methods in Matlab, MathWorks, Universidad de Sevilla. June 2016, Sevilla.
- Domain decomposition algorithms for the numerical approximation of PDEs at large scales, Santiago Badía, IMUS. September 2016. Sevilla.

- Lectures on the Onsager conjecture, Roman Shvydkoy, IMUS. October 2016, Sevilla.
- A high-order local projection stabilization method for natural convection problems, Samuele Rubino, IMUS. November 2016. Sevilla.
- The evolution of regular planar polygons under the vortex filament equation, Francisco de la Hoz, IMUS. January 2017. Sevilla.
- Existence and uniqueness questions for the MHD equations, José Luis Rodrigo, IMUS. March 2017, Sevilla.
- Mixing solutions for the Muskat problem, Ángel Castro, IMUS. April 2017, Sevilla.

Organization activities

- Co-organizer of *PHD Seminar*, IMUS (2017-18)
- Co-organizer of the workshop *Mathematical Analysis in Incompressible Fluids*, Sevilla, June 12-15th, 2018.

Teaching experience

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| • Mathematical Analysis (Physics degree) | 2016/17 (2.25 ECTS)
2017/18 (2.25 ECTS) |
| • Mathematics (Chemistry degree) | 2016/17 (2.40 ECTS)
2017/18 (1.60 ECTS) |
| • Differentiation of functions in \mathbb{R}^n | 2016/17 (0.40 ECTS) |
| • Integration of functions in \mathbb{R}^n | 2016/17 (0.40 ECTS) |
| • Infinitesimal Calculus | 2017/18 (1.00 ECTS) |

Languages

- Spanish: Native.
- English: Advanced - C1/C2. (IELTS 7.0, 2012)
5 months stay in Bristol (October 2012 - March 2013)
2 months stay in Philadelphia (June - July 2017)
- French: Intermediate - B2. (Spain National Language School, 2007)
- German, Italian: Elementary - A1/A2. (Universidad de Sevilla, 2008)

References

- Francisco Gancedo, fgancedo@us.es
- Robert M. Strain, strain@math.upenn.edu
- Diego Córdoba, dcg@icmat.es
- Antonio Rojas, arojas@us.es (teaching)