

# Waves and particles novel insights

## A three-day research workshop

Unidad de Seminarios "Ignacio Chávez"  
Jardín Botánico Exterior  
Ciudad Universitaria, Mexico City

22-24 May 2017

Experiments carried out with fluid-mechanical 'pilot-wave' systems show a range of quantum-like properties, including tunneling, quantization of angular momentum, etc. In the quantum world, the electromagnetic background field has been identified as a possible source for the wave-like behavior of particles and other quantum properties. What is common to both kinds of system, what is the extent of the analogies, what can one learn from each other?

The workshop intends to lead to points of convergence for possible future collaboration.

## PARTICIPANTS

Miguel Alcubierre  
ICN-UNAM, MEXICO CITY, MEXICO

Herman Batelaan  
UNIVERSITY OF NEBRASKA, LINCOLN, USA

John Bush  
MIT, CAMBRIDGE, USA

Ana María Cetto  
IF-UNAM, MEXICO CITY, MEXICO

Dan C. Cole  
BOSTON UNIVERSITY, BOSTON, USA

Yves Couder  
UNIVERSITÉ PARIS DIDEROT, PARIS, FRANCE

Luiz Faria  
MIT, CAMBRIDGE, USA

Sergio Hernández Zapata  
FC-UNAM, MEXICO

Eric Jones  
UNIVERSITY OF NEBRASKA, LINCOLN, USA

Paul Milewski  
UNIVERSITY OF BATH, BATH, UK

André Nachbin  
IMPA, RIO DE JANEIRO, BRAZIL

Luis de la Peña  
IF-UNAM, MEXICO CITY, MEXICO

Giuseppe Pucci  
MIT, CAMBRIDGE, USA

Gerardo Ruiz Chavarría  
FC-UNAM, MEXICO CITY, MEXICO

Loïc Tadríst  
UNIVERSITY OF LIÈGE, LIÈGE, BELGIUM

Andrea Valdés  
IF-UNAM, MEXICO CITY, MEXICO

Víctor Velázquez  
FC-UNAM, MEXICO CITY, MEXICO

Louis Vervoort  
UNIVERSITÉ DU QUÉBEC, MONTRÉAL, CANADA

Raúl Puente  
FC-UNAM, MEXICO



Contact: Ana María Cetto, IF-UNAM, [ana@fisica.unam.mx](mailto:ana@fisica.unam.mx)