# 1st Latin American School in Applied Mathematics
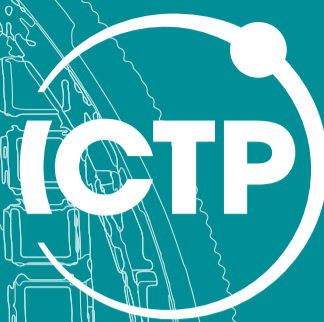
**17 - 28 June 2019**
**Quito, Ecuador**

**ICTP**

## Topics:

- Optimal Control and Applications to Biology
- Fluid Mechanics
- Machine Learning
- Cancer Dynamics

## Description:

This activity highlights current research topics and applications in applied mathematics. Students exposed to the mini-courses will learn mathematical tools used to efficiently solve real world problems in different disciplines as well as in industry in an effort to illustrate mathematics as a useful and necessary tool as well as a lucrative career option.

The courses will be complemented by additional computer lab sessions where students will solve relevant problems and be given an opportunity to run simulations and learn computational skills.

In addition, students will be provided with mentoring regarding jobs in industry as well as opportunities for advanced studies in mathematics.

## Lecturers include:

**M. S. Aronna**
Escola de Matemática Aplicada (FGV), Brazil
**J. Bedrossian**
University of Maryland, U.S.A.
**R. Cóbe**
Sao Paulo State University, Brazil
**D. Levy**
University of Maryland, U.S.A.

## Organizers:

**M. Calahorrano**
EPN, Ecuador
**M. G. Delgadino**
Imperial College, U.K.
**D. C. Ramirez**
USFQ, Ecuador
**L. D. Simonelli**
ICTP, Italy
**G. Violini,**
Emeritus, CIF, Colombia

## Local Organizer:

**C. Arezzo**
ICTP, Trieste, Italy

## How to apply:

Online application:
http://indico.ictp.it/event/8691/

Female scientists are encouraged to apply.

## Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee

## Deadline:

# 10 March 2019

UNIVERSIDAD SAN FRANCISCO

ESCUELA POLITÉCNICA NACIONAL

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