

# CIMPA-ICTP Research School

## Toric methods in geometry, arithmetics and dynamics



Facultad de Matemáticas

Pontificia Universidad Católica de Chile  
Santiago de Chile January 11 - 22, 2016

### Talks

- Carolina Araujo (IMPA, Brasil)
- Michela Artebani (UdeC, Chile)
- Jose Ignacio Burgos (ICMAT, España)
- Javier Elizondo (UNAM, México)
- Javier Fernandez de Bobadilla (ICMAT, España)
- Ana-Maria Castravet (Northeastern U, USA)
- Antonio Laface (UdeC, Chile)
- Alvaro Liendo (UTalca, Chile)
- Jenia Tevelev (UMass Amherst, USA)

### Organizing and Scientific Committee

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|-----------------------|------------------------|
| • José Ignacio Burgos | • Alvaro Liendo        |
| • Alicia Dickenstein  | • Sukhendu Mehrotra    |
| • Javier Elizondo     | • Ricardo Menares      |
| • Javier Fernández    | • Juan Rivera-Letelier |
| de Bobadilla          | • Martin Sombra        |
| • Antonio Laface      | • Giancarlo Urzúa      |

### Courses

- Introduction to toric varieties  
(Alicia Dickenstein, UBA, Argentina)
- Combinatorics and topology of toric varieties  
(Mircea Mustăță, UMich, USA)
- Introduction to tropical geometry  
(Sam Payne, Yale University, USA)
- The classical n-body problem and its relative equilibria  
(Alain Albouy, IMCCE, Observatoire de Paris, France)
- Toric varieties, their birational modifications and their deformations  
(Bernard Teissier, CNRS & IMJ-PRG, France)
- Arithmetic intersection theory on toric varieties  
(Martin Sombra, ICREA & UB, España)