

# Workshop on Differential Geometry



**9 - 20 March 2020**  
**Maceio, Brazil**

Further information:  
<http://indico.ictp.it/event/9028/>  
[smr3431@ictp.it](mailto:smr3431@ictp.it)

The “Workshop on Differential Geometry” has become a traditional event that takes place every year in the state of Alagoas, Brazil, during the Brazilian summer, congregating renowned international experts and members of the Brazilian geometry community.

The 2020 edition will celebrate the 10th anniversary of the event, which has been organized since 2011 by the Institute of Mathematics of the Federal University of Alagoas (UFAL). There will be a balance of topics that are active in Brazil and research directions that need to be stimulated and further developed.

In the first week 5 advanced mini courses will be given by international experts while the second week will be devoted to research seminars.

Applicants should specify if they want to participate in only one of the two weeks of the Workshop.

## Topics:

- Minimal surfaces, constant mean curvature surfaces
- Kahler geometry, extremal metrics
- Mathematical relativity, stability/rigidity phenomena
- Mean curvature flow
- Gluing and desingularization techniques, phase transition PDEs

## How to apply:

Online application:  
<http://indico.ictp.it/event/9028/>

Female scientists are encouraged to apply.

## Grants:

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

## Directors:

Marcos Petrucio Cavalcante, UFAL, Brazil  
Fernando Codá Marques, Princeton, USA  
Claudio Arezzo, ICTP, Italy

## Course Lecturers:

Lucas Ambrozio, University of Warwick  
Joel Fine, Université Libre de Bruxelles  
Laurent Hauswirth, Université de Marne-la-Vallée  
Celso Viana, University of California - Irvine  
Lu Wang, University of Wisconsin-Madison

## Invited Speakers:

Sérgio Almaraz, Universidade Federal Fluminense  
Claudio Arezzo, International Centre for Theoretical Physics  
Gérard Besson, Institut Fourier - Université de Grenoble  
José María Espinar, Universidad de Cadiz  
Abigail Folha, Universidade Federal Fluminense  
Ailana Fraser, University of British Columbia  
Gregory Galloway, University of Miami  
Casey Kelleher, Princeton University\*  
Levi Lima, Universidade Federal do Ceará  
Vanderson Lima, Universidade Federal do Rio Grande do Sul  
Jorge Lira, Universidade Federal do Ceará  
Andrea Loi, Università di Cagliari  
Andrea Malchiodi, Scuola Normale Superiore  
Ana Menezes, Princeton University  
Frank Pacard, École Polytechnique  
Paolo Piccione, Universidade de São Paulo  
Álvaro Ramos, Universidade Federal do Rio Grande do Sul  
Tristan Rivière, ETH Zürich  
Richard Schoen, University of California - Irvine  
Gang Tian, Beijing University  
Feliciano Vitorio, Universidade Federal de Alagoas  
Jun-cheng Wei, University of British Columbia  
Xi-Ping Zhu, Sun Yat-sen University  
\*to be confirmed

## Deadline:

**10 January 2020**



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