



The Abdus Salam  
International Centre  
for Theoretical Physics



# Workshop on Differential Geometry

## DESCRIPTION:

This workshop focuses on Differential Geometry, a key area in modern mathematics, aiming to bring together renowned experts and young researchers to discuss recent advances, foster collaborations, and address open problems in the field.

## MORE DETAILS:

Differential Geometry is a dynamic and central field in contemporary mathematics, bridging foundational concepts and practical applications. This workshop is highly relevant to the academic and scientific community, providing an intensive learning environment through lectures by distinguished experts. It is particularly dedicated to supporting young researchers and graduate students by offering a platform to present their work, exchange ideas, and build lasting scientific collaborations. The event also promotes discussions on cutting-edge topics and future directions in the field.

## TOPICS

- Complex geometry
- Geometric flows
- Mathematical relativity
- Min-Max theory
- Riemannian geometry
- Submanifold theory
- Variational problems

## SPEAKERS:

**Sergio Almaraz**  
Universidade Federal Fluminense, Brazil  
**Maria Andrade**  
Universidade Federal de Sergipe, Brazil  
**Shuli Chen**  
Stanford University, USA  
**José Espinar**  
Universidad de Granada, Spain  
**Isabel Fernández**  
Universidad de Sevilla, Spain  
**Greg Galloway**  
Miami University, USA  
**Laurent Hauswirth**  
Université Gustave Eiffel, France  
**Vanderson Lima**  
Universidade Federal do Rio Grande do Sul, Brazil  
**Jorge Lira**  
Universidade Federal do Ceará, Brazil

**Eduardo Longa**  
Universidade de São Paulo, Brazil  
**Ana Menezes**  
Princeton University USA  
**Ivaldo Nunes**  
Universidade Federal do Maranhão, Brazil  
**Tristan Rivièrè**  
ETH Zurich, Switzerland  
**Magdalena Rodríguez**  
Universidad de Granada, Spain  
**Henrique Sá Earp**  
Universidade de Campinas, Brazil  
**Almir Santos**  
Universidade Federal de Sergipe, Brazil  
**Feliciano Vitório**  
Universidade Federal de Alagoas, Brazil



**10 - 14 March 2025**



**Maceió - Brazil**



**Deadline:  
16 February 2025**

## DIRECTORS:

Claudio Arezzo, ICTP, Italy  
Hilário Alencar, UFAL, Brazil  
Railane Antonia, UFAL, Brazil  
Márcio Batista, UFAL, Brazil  
Marcos P. Cavalcante, UFAL, Brazil  
Maria A. Costa E Silva, UFS, Brazil  
Cícero T. Cruz, UFAL, Brazil  
Alcídes De Carvalho, UFAL, Brazil  
José Espinar, Universidad de Granada, Spain  
Isabel Fernandez, Universidad de Sevilla, Spain  
Fernando C. Marques, Princeton, USA  
Abraao Mendes, UFAL, Brazil  
Detang Zhou, UFF, Brazil

## ICTP SCIENTIFIC CONTACT:

Claudio Arezzo, ICTP, Italy

## 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.

## FURTHER INFORMATION:



E-mail: [smr4060@ictp.it](mailto:smr4060@ictp.it)

Web: <https://indico.ictp.it/event/10825/>

Female scientists are encouraged to apply.

