

**Program of the Cassini Junior Conference 2025/26**  
**"A French-Italian Workshop on Nonlinear Analysis: Theory, Methods and Applications"**

On March 31, 2026, the Department of Mathematics and Computer Sciences, Physical Sciences and Earth Sciences of the University of Messina will host the international workshop "A French-Italian Workshop on Nonlinear Analysis: Theory, Methods and Applications" in the Leonardo Room. The event will take place throughout the morning. It aims to strengthen collaboration between French and Italian mathematicians, focusing on recent advances in nonlinear analysis and its applications.

Key topics include elliptic partial differential equations, variational-hemivariational inequalities, qualitative properties of solutions — such as existence, uniqueness, and multiplicity — and applications to mechanics, physics, and engineering. The program features plenary lectures by Professors:

- Mircea Sofonea (France)
- Maria-Magdalena Boureanu (Craiova)
- Francesco Bonaldi (France)

as well as short communications by young researchers. This exchange is designed to foster scientific discussion and new collaborations.

