

PRESS RELEASE

SISSA and Fondazione Pietro Pittini award the winners of the 2025 Ambrosetti Medal

Three mathematicians, Yu Deng from the University of Chicago, Riccardo Montalto from the University of Milan, and Hong Wang from New York University, are the recipients of the 2025 Antonio Ambrosetti Medal. The award is presented by SISSA with the patronage of the Scuola Normale Superiore, the Accademia Nazionale dei Lincei, and the Unione Matematica Italiana, and is supported by the Fondazione Pietro Pittini.



Trieste, 21 November 2025

This morning, SISSA (Scuola Internazionale Superiore di Studi Avanzati) hosted the **ceremony for the presentation of the 2025 Antonio Ambrosetti Medal**. Established in memory of Professor Antonio Ambrosetti (1944–2020), the prestigious award recognises young researchers who have made outstanding contributions in the field of Nonlinear Analysis.

Now in its third edition, the Ambrosetti Medal is accompanied by a monetary prize offered by the Pietro Pittini Foundation and enjoys the patronage of the

Scuola Normale Superiore, the Accademia Nazionale dei Lincei, and the Unione Matematica Italiana (UMI).

A scientific committee evaluated a large number of high-level nominations from around the world and decided to award the 2025 medal jointly to three brilliant mathematicians: **Yu Deng** from the University of Chicago, **Riccardo Montalto** from the University of Milan, and **Hong Wang** from New York University.

The award was presented at the conclusion of the International Congress “*New Frontiers in Nonlinear Analysis and Differential Equations*.” Present at the ceremony were SISSA Director Andrea Romanino and Marina Pittini, President of the Fondazione Pietro Pittini.

The committee recognised the three researchers for highly impactful results: **Yu Deng** for his innovative contributions to the theory of nonlinear evolution equations and the understanding of the relationships between Newtonian particle interaction models, kinetic equations, and the macroscopic description of fluid dynamics, as posed in Hilbert’s sixth problem; **Riccardo Montalto** for his bifurcation results in KAM theory and their applications to fluid dynamics, including the water wave, Navier–Stokes, and Euler equations in both 2- and 3-dimensional compact domains, as well as quasi-periodic fluids in space; and **Hong Wang** for his extraordinary and pioneering contributions to harmonic analysis and affine fields, including the introduction of new structural insights in wave packet analysis that illuminate central problems in analysis and its connections to number theory and geometric measure theory.

The €5,000 monetary prize, offered by the Fondazione Pietro Pittini, will be shared among the three winners.

Professor Antonio Ambrosetti was one of the world’s leading experts in Nonlinear Analysis and Critical Point Theory, and a key figure in the Trieste institution. He was one of **SISSA’s first three founding professors** and, after teaching at the Scuola Normale di Pisa, returned to SISSA to teach Mathematical Analysis from 1998 to 2020.

“We are truly delighted with this new edition, both for the exceptionally high scientific level of the winners and for the many outstanding nominations received from around the world,” commented **Professor Massimiliano Berti** of SISSA, a member of the committee. “This demonstrates the significant international visibility this prize has already achieved. We believe it is one of the most fitting ways to honour the memory of the dear Antonio Ambrosetti, who was a great mentor and a figure of fundamental importance for SISSA’s research excellence.”

Marina Pittini, President of the Fondazione Pietro Pittini, added: “Supporting the Ambrosetti Medal means promoting scientific excellence while investing in



the future. Our collaboration with SISSA stems from a shared commitment to spreading science ever more widely and making it appealing to young people. In this way, together, we can inspire new generations to believe in research and in their own abilities.”

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La cerimonia di premiazione della
Medaglia Ambrosetti 2025
Crediti: SISSA

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