Siddhartha Mishra receives Rössler Prize 2023

Rössler Laureate 2023: The mathematician Professor Siddhartha Mishra
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Mathematician Siddhartha Mishra has been awarded this year's Rössler Prize for his research on solutions for highly complex flow and wave phenomena. Worth 200,000 Swiss francs, it is ETH Zurich's most generous research award. The tribute took place at the ETH Foundation's Thanks Giving event.

The Rössler Prize 2023 not only recognises Siddhartha Mishra's research in the field of nonlinear partial differential equations, but also that he bridges the gap between mathematical fundamentals and their application in research and industry. Mishra designs robust, efficient algorithms that enable faster and more accurate simulations of nonlinear partial differential equations on supercomputers. These simulations pave new ways to solve real-world problems in research areas such as astrophysics, solar physics, geophysics, climate dynamics or biology.

"The amazing thing about mathematics is how its abstract equations keep enabling new solutions and highly relevant applications for the economy and society," says Max Rössler, the donor of the Rössler Prize, who himself studied mathematics at ETH Zurich, did his doctorate on orbit calculations in space travel and taught at the Institute for Operations Research.

The Rössler Prize, fostering outstanding young ETH professors in the expansion phase of their careers, is awarded for the 15th time this year.

Impressions

Professor Joël Mesot, President of ETH Zurich
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Professor Kristina Shea, Professorship Engineering Design and Computing
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Professor Robert Katzschmann, Professorship Soft Robotics
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from left: Nicole Ferru, Excellence Scholar 2021, Professor Siddhartha Mishra, Rössler Laureate 2023
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Professor Siddhartha Mishra, Rössler Laureate 2023
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from left: Professor Siddhartha Mishra, Rössler Laureate 2023; Dr Max Rössler, Prize Donor; Professor Joël Mesot, President of ETH Zurich
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Mark Zahran, CEO Yasai
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Christoph Funke, Excellence Scholar 2022
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