



Subject: The 11th Heidelberg Laureate Forum begins September 22

## Heidelberg Laureate Forum – 11 years of inspiring the next generation of researchers in mathematics and computer science

This September 22-27, at the 11th Heidelberg Laureate Forum (HLF), 200 young researchers in mathematics and computer science will spend a week of scientific exchange with the recipients of the disciplines' most prestigious prizes: the Abel Prize, ACM A.M. Turing Award, ACM Prize in Computing, Fields Medal, the Nevanlinna Prize as well as its continuation, the IMU Abacus Medal. Below are a few highlights of the upcoming program of the HLF as well as a breakdown of how to cover this unique event.

### 25 distinguished laureates

Having 25 groundbreaking and award-winning researchers in mathematics and computer science in one venue is not only a thrilling prospect for the next generation of scientists attending the 11th HLF, but for anyone who has an interest in these subjects and the pioneers they have produced. Livestream their lectures and panel discussions on the HLF website or view them at your leisure on our [YouTube channel](#) after they have been uploaded.

### 200 of the brightest young minds in their fields

The HLF provides 200 selected young mathematicians and computer scientists from all around the world the opportunity to engage and exchange ideas with a vast network of peers and laureates from diverse backgrounds, all brimming with enthusiasm. Learn more about their innovative research projects when 30 young researchers present their work in the Poster Flash session onstage.

### Discussing the issues of our time

The HLF will feature two major Hot Topic panels, each focusing on one of the perennial issues on the minds of researchers and the public alike, which only become more relevant with each passing year:

The first such panel is on “Understanding the Climate Crisis.” Here, panelists will discuss the ongoing effort to curb the causes and effects of climate change, and what role mathematics and computer science are playing and can continue to play in solving these seemingly intractable problems.

The second addresses “The Paradox of Artificial Intelligence,” contrasting and exploring the nature of learning between humans and machines. Panelists will also explore how these particularities in AI stand to impact the future of human life, business and research.

### Spanning the breadth of mathematics and computer science

The core of the HLF's scientific program consists of a diverse range of long- and short-form lectures and talks by laureates of the most prestigious prizes in mathematics and computer science. These range from Yael Tauman Kalai (ACM Prize in Computing – 2022) speaking on “Compressing Proofs Using Cryptography,” to one of the “fathers of the

internet,” Vinton G. Cerf (ACM A.M. Turing Award – 2004) giving an update on the “Status of Interplanetary Internet” or a lecture by noted mathematician Bảo Châu Ngô on “The Galois Group,” to name just a few. A full overview of the scientific program can be found on the [HLF website](#).

### Interactive coverage

Broad, up-to-date coverage will be made available on the [HLFF Blog](#), thanks to a team of bloggers that will report on various program points. You can follow live coverage via X (formerly known as Twitter) [@HLForum](#) or by following #HLF24. The 11th HLF will also be accompanied by regular episodes of the HLFF Vlog, published on the [HLF website](#) and [YouTube channel](#), featuring exclusive, behind-the-scenes glimpses of the program, speakers and attendees.

### Apply for Accreditation

Journalists wishing to attend and cover the event in person can still apply for accreditation until September 18 via the HLF’s [online registration tool](#). Please create an account via the option “Register as a Non-Travel Grant Journalist,” and subsequently fill out and submit the accreditation application.

For more information, or if you have any questions regarding the 11th Heidelberg Laureate Forum, please contact: [media@heidelberg-laureate-forum.org](mailto:media@heidelberg-laureate-forum.org)

### Background

The Heidelberg Laureate Forum Foundation (HLFF) annually organizes the Heidelberg Laureate Forum (HLF), which is an international networking event for mathematicians and computer scientists. The 11th Heidelberg Laureate Forum will take place from September 22 to 27, 2024. The HLFF was established and is funded by the German foundation Klaus Tschira Stiftung, which promotes natural sciences, mathematics and computer science. The scientific partners of the HLF are the Heidelberg Institute for Theoretical Studies (HITS) and Heidelberg University. The HLF is strongly supported by the award-granting institutions the Association for Computing Machinery (ACM), the International Mathematical Union (IMU) and the Norwegian Academy of Science and Letters (DNVA).

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