Coding Theory and Algorithms for DNA-based Data Storage
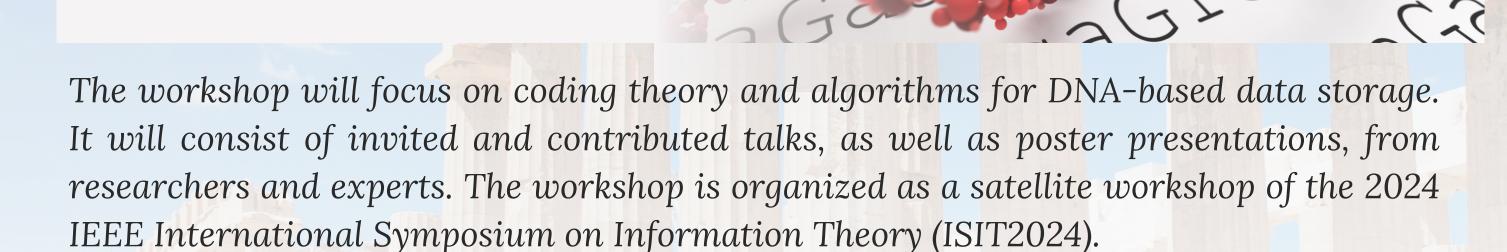

Call for Contributions

| SUNDAY, JULY 7, 2024 | ATHENS, GREECE |

The workshop will focus on coding theory and algorithms for DNA-based data storage. It will consist of invited and contributed talks, as well as poster presentations, from researchers and experts. The workshop is organized as a satellite workshop of the 2024 IEEE International Symposium on Information Theory (ISIT2024).

TOPICS OF INTEREST

- Sequence reconstruction and codes correcting edit errors
- Emerging sequencing technologies
- Coding for native DNA-based data storage systems
- Information aspects of high throughput synthetic biology
- Machine learning approaches for data reconstruction in DNA-based storage systems

CONTRIBUTED TALKS AND POSTERS

If you are interested in contributing a talk or poster, **please submit an abstract** of at most 300 words of your research, including a title and a list of authors with affiliations via the contribution submission portal:
https://forms.office.com/e/yhiLQZnLpM

IMPORTANT DATES

Submission deadline: April 15, 2024
Notification date: May 1, 2024
ISIT early registration deadline: May 6, 2024
Workshop date: July 7, 2024

CONFIRMED SPEAKERS

Daniel Bedau (Western Digital)
James Diggans (Twist Bioscience)
Robert Grass (ETH Zurich)
Olgica Milenkovic (University of Illinois Urbana-Champaign)
Zohar Yakhini (Technion/Reichman University)

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