Dear EATCS member!

In front of you is Bulletin 147. An issue in which we welcome several new editors! And in which we also introduce a new column and a new initiative.

Pablo Barcelo and David Saulpic are our new editors for the new column on AI topics in TCS. In their first column, they present a nice and wide review on how different areas of TCS have contributed to recent advances in ML, or how it could contribute.

Anuj Dawar is the new editor of the Logic in Computer Science Column, stepping into the shoes of Yuri Gurevich. Welcome aboard! And many thanks Yuri for all your great contributions to the Bulletin over so many years - since 1988! In his first column, he explores the question about the smallest number of variables with which a formula can be equivalently written, an important measure related to notions of width arising in database theory, graph theory and permutation groups.

Furthermore, I am very happy to announce a new initiative, which aims to accompany the Bulletin with videos. The initiative is led by Sophie Huiberts and Ian Mertz. In his essay in the Perspective Column, Ian gives a motivation and overview of this initiative, and also advertises a call for videos for EATCS.

In the Computational Complexity Column, Ryan Williams provides a background exposition of a recent theorem in computational complexity related to how fast algorithms can be simulated with less memory.

In the TCS on the Web Column, Stefan Neumann talks to the current maintainers of the TCS Blog Aggregator: Nima Anari, Arnab Bhattacharyya and Gautam Kamath. The TCS Blog Aggregator is a community-maintained hub for researchers in complexity theory and algorithms.
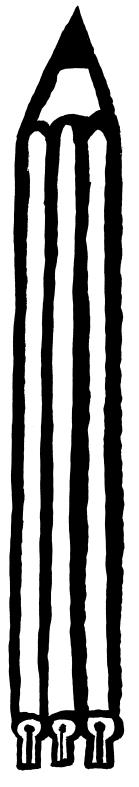
In the Formal language Column, Antonio Casares studies transition-based vs stated-based acceptance for automata over infinite words, and advocates using the former. He presents a collection of problems where the choice of formalism has a major impact and discuss the causes of these differences.

In the Distributed Computing Column, Amitabh Trehan provides insights into a most simple yet surprisingly deep algorithmic problem: flooding with no memory.

In the Education Column, R. Ramanujam explores whether concepts from formal logic can meaningfully contribute to mathematics education at the school level, reporting on an attempt to work with high school teachers of mathematics in India.

For the jubilee year of the DISC conference, the "DISC historians" Michel Raynal and Nicola Santoro tell us the story of WADS/DISC since 1985, a sibling to the then 4-years old PODC conference. They also share their thoughts of what makes a good conference in general, and share several nice historical photos.

The Bulletin also contains several nice conference reports: Matthias Bentert provides a spotlight of the ALGO conference, Florian Chudigiewitsch of STACS, and there is also a summary of the

British Colloquium for Theoretical Computer Science.

Last but not least, in case you are in Prague soon, you are welcome to check out the exhibition 'The Making of a New Science,' on the early history of theoretical computer science.

Enjoy the new Bulletin!

Stefan Schmid, Berlin
October 2025