



The Abdus Salam
International Centre
for Theoretical Physics



2025 Prize Ceremony

The ICTP - IBM Brahmagupta AI Prize for Early Career Scientists

**ICTP Budinich Lecture Hall
Thursday 10 July 2025, 10:30**

CEREMONY PROGRAMME

About the 2025 Prize

The 2025 ICTP-IBM Brahmagupta AI Prize for Early Career Scientists is awarded to Professor Simon Olsson of Chalmers University of Technology, Sweden, "for his pioneering work on the use of Artificial Intelligence methods in molecular simulations, overcoming long-standing computational problems in statistical mechanics, with translational impact on drug discovery and vaccine design."

The award honours Indian mathematician and astronomer Brahmagupta, known for his important contributions to mathematics. In particular, he was the first to consider zero as a number and for introducing negative numbers.

Chair of the Ceremony:

Sandro Scandolo, Senior Coordinator, ICTP Research Division, member of the CMSP Section

Opening Remarks

10.30-10.35

Atish Dabholkar, Director, ICTP

Opening Talk "Brahmagupta's Legacy"

10.35 - 10.50

Claudio Arezzo, Head of Mathematics Section, ICTP

Awarding of the ICTP-IBM Brahmagupta AI Prize

10.50 - 11.00

Atish Dabholkar

Director, ICTP

Alessandro Curioni

IBM Research Zurich

Simon Olsson

Chalmers University of Technology

Talk by the winner, "Generative Models of Molecular Dynamics"

11.00 - 11.45

Simon Olsson

Chalmers University of Technology

Keynote talk "The Future of Scientific Discovery"

11.45 - 12.30

Alessandro Curioni

IBM Research Zurich

Group photo

12.30 - 12.35

Lunch reception on Leonardo Building Terrace