

Understanding Reversibility

Edward Fredkin Memorial Lectures

Webinar Series 2024

Organized by Cellular Automata India

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SCHEDULE

	Time (UTC+05:30)	Speaker	Topic
	2:20 pm - 2:30 pm		Inauguration
27.04.2024	2:30 pm - 4:00 pm	Susmita Sur-Kolay	Logic Synthesis methods for reversible and quantum circuits
	4:00 pm - 5:30 pm	Kenichi Morita	Time-reversal Symmetries in reversible Cellular Automata and their applications
4.05.2024	2:30 pm - 4:00 pm	Sukanta Das	Asynchronism and Reversibility
	4:00 pm - 5:30 pm	Norman Margolus	Information Mechanics: Then and Now
11.05.2024	8:30 am - 10:00 am	Stephen Wolfram	Reversibility and Irreversibility in Cellular Automata and Physics, with an Interlude on the life of Ed Fredkin
	2:30 pm - 4:30 pm	Tommaso Toffoli	The gift of invertibility, in math, physics, and cellular automata
18.05.2024	4:30 pm - 6:00 pm	Smita Sirker	Negation, Absence (Perception of Absence) and Reversibility
	6:00 pm - 6:10 pm		Valedictory

Speakers



Norman Margolus
Massachusetts Institute of
Technology, USA



Tommaso Toffoli
Boston University
Massachusetts



Kenichi Morita
Hiroshima University, Japan



Susmita Sur-Kolay
ISI Kolkata, India



Smita Sirker
JNU, India



Sukanta Das
IIST, Shibpur, India



Stephen Wolfram
Physicist