

# Understanding Reversibility

## Edward Fredkin Memorial Lectures

### Webinar Series 2024

Organized by Cellular Automata India

**JOIN NOW**

#### SCHEDULE

	Time (UTC+05:30)	Speaker	Topic
	2:20 pm - 2:30 pm		Inaguration
	2:30 pm - 4:00 pm	Susmita Sur-Kolay	Logic Synthesis methods for reversible and quantum circuits
27.04.2024	4:00 pm - 5:30 pm	Kenichi Morita	Time-reversal Symmetries in reversible Cellular Automata and their applications
	2:30 pm - 4:00 pm	Sukanta Das	Asynchronism and Reversibility
4.05.2024	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 - 4:00 pm	Tommaso Toffoli	The gift of invertibility, in math, physics, and cellular automata
	4:30 pm - 6:00 pm	Smita Sirker	Negation, Absence (Perception of Absence) and Reversibility
18.05.2024	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**  
IIEST, Shibpur, India



**Stephen Wolfram**  
Physicist