



**UNIVERSITÀ
DI TRENTO**
Dipartimento di
Matematica

BUP
Biblioteca
Universitaria
Povo



Beyond the Usual Playing

April 28 - May 19, 2026 (18.00-20.00)

Sala Omerti, BUP - Biblioteca Universitaria Povo

Event supported by BUP and the Department of Mathematics, with the collaboration of Ludimus and MUSE (Museo delle Scienze di Trento).

Tuesday April 28

Walks on the Hexagon

In the 1940s Piet Hein and John Nash invented a two-players game over an hexagonal board called Hex. The study of winning strategies is deeply related to fascinating mathematical results. **Angelo Valente** (PhD student, Dept. of Mathematics) will help us to connect the game of Hex with concepts in topology and mathematical analysis.

Games to play: Chomp, Hex, TwixT

Tuesday May 12

Get connected

Marco Sabatini (Prof., Dept. of Mathematics) will describe and lead the practice of the single-player game Nonograms and the competitive two-player game Lines of Action (LoA). Nonograms has been depicted as an elementary essay in discrete tomography. With the aid of suitable apps, both planar and tridimensional examples will be explored. Both games are accessible only to players able to count: LoA requires counting up to 7, Nonograms up to 20 (maybe).

Games to play: Nonograms, Lines of Actio

Tuesday May 5

AI at play

In pure strategic board games with no random elements, the number of possible configurations grows rapidly, requiring a complicated and careful search for the optimal move. Games with high complexity offer an interesting playground for strategic thinking and AI developments. **Alessandro Pini** (Ludimus & master student, Dept. of Information Engineering and Computer Science) will help us to see how games like Go and Quoridor have been analyzed by AI.

Games to play: Quoridor, Hive

Tuesday May 19

Sudoku ergo sum

A game night dedicated to logical-deductive reasoning and sequential solving of numerical puzzles. Some games in this genre include Sudoku and its variants, as well as logic grids. Team up with your friends and get ready for the challenge!

Games to play: Sudoku variants, logic grids

For any question or desire for further information you can refer to the organizers:

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The events will be held in the reading room "Omerti", BUP, 6 pm to 8 pm.

Participation in the meetings is open to the UniTrento community upon reservation, available through the following form: <https://forms.gle/Yos4MXasJA2XA6rbA>



or at the BUP Circulation desk.

The meetings will take place in **Italian language**. English language support will be available as well during the gaming session.

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