

Thursday, 25th January • 5 pm Refreshments • 6 pm Lecture

**Professor
John Conway**

Princeton University



New Zealand Institute of
Mathematics & its Applications

The Game of Life

~ John Conway ~

John Conway is a mathematician and a teacher, having at one point said, “If it is alive and is sitting somewhere near me, I’ll teach it”. His fascination with games and puzzles has led him to important discoveries in areas of mathematics from number theory to geometry. He also is well known as the inventor of the Game of Life, in which checker-like objects replicate themselves and form patterns on a grid.

Physicists, biologists, economists, mathematicians, philosophers, generative scientists and others are interested in Conway’s Game of Life in order to observe the way that complex patterns can emerge from the implementation of very simple rules.

John Conway is the John von Neumann Professor in Applied and Computational Mathematics at Princeton University, where he has been a faculty member since 1987. His popular books include “The Book of Numbers,” and “Winning Ways for Your Mathematical Plays”.

SLT I Lecture Theatre • Ground Floor Building 303 • 38 Princes Street (by Albert Park)

The Game of Life is not your typical computer game. It is a 'cellular automaton', and was invented by Cambridge mathematician John Conway. This game became widely known when it was mentioned in an article published by Scientific American in 1970. It consists of a collection of cells which, based on a few mathematical rules, can live, die or multiply. Depending on the initial conditions, the cells form various patterns throughout the course of the game. playgameoflife.com. New developments of this page will continue on playgameoflife.com, currently in beta. playgameoflife.com. The Sim Life The Game is an interesting simulation game. This game has impressive graphics, suitable for all ages, especially children and families. You can experience this game on your browser because it is a flash game. Life of a person in Life The Game. When you play this game, you will have a great experience of a person's life. From when you were "Born", to when you "Talk", when you go to school and "Study", to the time you "puberty" When you have grown up, you will "date" with a girl.