

# *Daina Taimina - Vita*

Freelance author, educator, and artist

Retired Adjunct Associate Professor of Mathematics, Cornell University

## **Formal academic education:**

**Dr. math.**, University of Latvia, **1992**

**PhD**, Institute of Mathematics, Academy of Sciences of Belorussia. Thesis: "Behavior of Different Types of Automata and Turing Machines on Infinite Words", **1990**, advisor: Prof. Rusins-Martins Freivalds

**BA; MSc** summa cum laude, Faculty of Physics and Mathematics, University of Latvia, **1977**

## **Past academic positions:**

**2013-2016** Senior Consultant, *Understanding Space Through Engineering Design*, National Science Foundation funded project focusing on K-5 mathematics. My responsibilities were the artistic and engineering design aspects of the project.

**Jan-May 2015**. Visiting Professor of Mathematics, Palestine Technical University – Kadoorie, West Bank.

**Summer 2013**. Professor: Elite Education International Summer School, Beijing.

**2007 - 2015**. Adjunct Associate Professor: Department of Mathematics, Cornell University

Summers **2006** and **2009**. Lecturer: DC Fellows Advancement, Masters degree program for middle-grade mathematics teachers, Georgetown University, Washington, DC.

**1997-2006**. Senior Research Associate and Visiting Associate Professor: Cornell University.

**1977-2000**. Lecturer, Senior Lecturer, Docent: Department of Physics and Mathematics, University of Latvia.

**1992-1996**. Editor: in publishing houses "Zvaigzne" and "Macibu gramata", Riga, Latvia.

**1976-1981, 1991-1992**. Mathematics teacher in high school, Riga, Latvia.

## **Grant support received:**

2013-2016: senior consultant on NSF grant "Understanding Space through Engineering Design"

2011-2014: advisory board, "Developing and Integrating Spatial Mathematics and Engineering". National Science Foundation project

2007-2010: advisory board for NSF grant "Geometry Playground: An Immersive Learning Laboratory" (Exploratorium, San Francisco, CA)

2004 - Feb 2006: senior personnel on Institute for Museum and Library Sciences grant to support "A Digital Library of Printable Machines: Models for Collection Building and Educational Outreach".

2002-2004: senior personnel on National Science Foundation NSDL Grant to support the on-line interactive display of historical kinematic mechanism collection and to prepare associated mathematical, historical, and educational materials for use in schools and universities, \$725,088

2001: part of National Science Foundation grant to MAA for "Professional Enhancement Programs" to support "Teaching Undergraduate Geometry" workshop, June 2001.

1995: Soros Foundation travel grant to participate in ICMI Study, Italy.

1980-1982: supported by a grant from The Kurchatov Institute of Nuclear Physics, Academy of Sciences, USSR