

PERSONAL HISTORY

Name: Vasile Sorin SABĂU

Nationality: Romania

Birth: 1967. 12. 07 (Dej, Romania)

Occupation: Mathematician

Address in Japan:

5-1-1-1, Minamisawa, Minami-ku, Sapporo, 005-8601, JAPAN

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Education:

Institution: Babes-Bolyai University, Cluj-Napoca, Romania

Major field: Differential Topology

Period: September 1987 - June 1991

Degree Received: Bachelor of Science in Mathematics (June 1991)

Institution: Al. I. Cuza University, Iasi, Romania

Major field: Differential Geometry

Degree Received: Doctor in Mathematics (by Thesis submission);
June 1998, Supervisor Acad. Prof. Dr. Radu Miron

Ph.D. Thesis: " Higher order Finsler spaces. Generalizations and
Applications." Written in Romanian, 155 pages

Institution: Hokkaido Tokai University

Major field: Differential Geometry

Period: 1996-1998 (In the period April 1996- March 1998 I was
awarded a Monbusho scholarship by the Government of Japan)

Institution: Tokyo Metropolitan University

Major field: Differential geometry (doctor degree course),

Period: 1998-2001

Degree received: Doctor in Science, specialty Mathematics, March
2001, Supervisor Prof. Dr. Yoshihiro Ohnita

Ph. D. Thesis: "Path geometries on Finsler manifolds", 186 pages

Employment history:

Institution: Elementary School No. 29, Brasov, Romania
Position: Instructor of Mathematics
Period : 1991-1993

Institution: Transylvania University, Brasov, Romania
Position: Part time instructor
Subject: Differential Geometry, Analysis, Differential Equations
Period : 1991-1993

Institution: Transylvania University, Brasov, Romania
Position: Associate professor
Subject: Differential Geometry, Analysis, Linear Algebra, Differential
Equations, Computer Science
Period : 1993-1996

Institution: Hokkaido Tokai University, Sapporo, Japan
Position: Part time instructor
Subject: Differential and Integral Calculus (in Japanese)
Period : April 1997-June 1997

Institution : International Christian University, Tokyo, Japan
Position : Part time instructor
Subject : Geometry, Analysis, Linear Algebra, Differential Equations
(in English and Japanese)
Period : March 1999- March 2001

Institution : Hitachi, Ltd., Life Science Group, Tokyo, Japan
Position : Researcher
Subject : Mathematical biology and Bioinformatics
Period : April 2000-March 2003

Institution : Tokyo Metropolitan University, Tokyo, Japan
Position : Visiting Researcher
Subject: Finsler spaces of constant curvature, Protein production
stability
Period : June 2001- March 2003

Institution : Hokkaido Tokai University, Sapporo, Japan
Position : Lecturer
Subject: Education and Research
Period : Starting from April 2003

Past research:

The Geometry of Higher Order Finsler spaces(1997-1998)

Higher Order Relativistic Optics (1995-1998)

Path Geometry on Finsler manifolds (1998-2000)

Gene interaction prediction model (1999-2000)

Cell simulation. Simulation of *Drosophila*'s circadian rhythm (2000-2001)

Cell cycle. Study of cell development by means of Jacobi stability (2001-2002)

Microarray data analysis. Statistical analysis of the gene expression microarray data (2001-2002)