



List of Takagi Lecturers

2006 Autumn

S. Bloch (University of Chicago)
Graphs and motives

P.-L. Lions (Collège de France)
Mean field games

S. Smale (Toyota Technological Institute at Chicago, University of Chicago)
A mathematical setting for emergence

C. Voisin (Institut de Mathématiques de Jussieu)
Some aspects of the Hodge conjecture

2007 Spring, Autumn

K.-H. Neeb (Technische Universität Darmstadt)
Towards a Lie theory of locally convex groups

D.-V. Voiculescu (University of California)
Aspects of free analysis

M. Yor (Universités Paris VI et VII)
On penalizations of Wiener measure

J. Makino (National Astronomical Observatory of Japan)
Do-it-yourself computational astronomy
— Hardwares, algorithms, softwares, and sciences

P. Malliavin (Université Paris VI)
Invariant or quasi-invariant probability measures for infinite dimensional groups

2008 Spring, Autumn

H. Ooguri (California Institute of Technology, IPMU)
Geometry as seen by string theory

O. Viro (Steklov Institute at St. Petersburg and Stony Brook University)
From the sixteenth Hilbert problem to Tropical Geometry

J.-P. Bourguignon (CNRS-IHÉS)
Optimal transport and non-smooth Riemannian geometry

É. Ghys (CNRS-ÉNS Lyon)
Right-handed vector fields and the Lorenz attractor

M. Kontsevich (IHÉS)
Holonomic D-modules and positive characteristic

N. Nekrasov (IHÉS)
Instanton partition functions and M-theory

