The Fourteenth

Takagi Lectures

Teiji Takagi (1875–1960)

Date : November 15 (Sat) - 16 (Sun), 2014

Place : Graduate School of Mathematical Sciences, The University of Tokyo

A. Guionnet
(Massachusetts Institute of Technology)

Two Lectures on
Random Matrices and Free Analysis

C. Manolescu
(University of California, Los Angeles)

Two Lectures on
Floer Theory and Its Topological Applications

P. Scholze
(Universität Bonn)

Two Lectures on
On Torsion in the Cohomology of Locally Symmetric Varieties

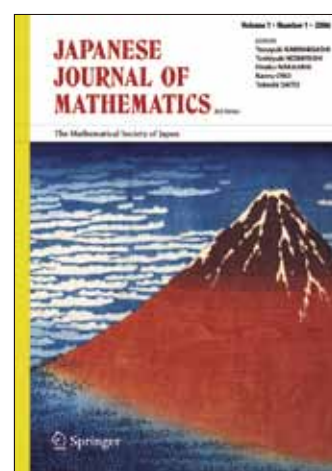## A. Venkatesh
(Stanford University)

Two Lectures on
Cohomology of Arithmetic Groups and Periods of Automorphic Forms

◆List of Takagi Lecturers

2006 **S. Bloch, P.-L. Lions, S. Smale, C. Voisin**

2007 **K.-H. Neeb, D.-V. Voiculescu, M. Yor, J. Makino, P. Malliavin**

2008 **H. Ooguri, O. Viro, J.-P. Bourguignon, É. Ghys, M. Kontsevich, N.A. Nekrasov**

2009 **M. Khovanov, D. McDuff, M. Harris, M. Hopkins, U. Jannsen, C. Khare, J. McKernan**

2010 **A. Connes, S. Gukov**

2011 **S. Brendle, C. Kenig**

2012 **Y. Benoist, A. Naor, P.F. Baum, A. Lubotzky, R. Seiringer**

2013 **L. Lafforgue, S. Popa, H.Oh, G.Tian**

JAPANESE JOURNAL OF MATHEMATICS
SINCE 1924

Articles based on the Takagi Lectures are to appear in the *Japanese Journal of Mathematics* (the official journal of Math. Soc. Japan, published by Springer).

Organizing Committee:

Y. Kawahigashi / **T. Kobayashi** / **H. Nakajima** / **K. Ono** / **T. Saito**

（Univ. of Tokyo）　（Univ. of Tokyo / Kavli IPMU）　（RIMS, Kyoto）　（RIMS, Kyoto）　（Univ. of Tokyo）

Supported by

The Mathematical Society of Japan

Graduate School of Mathematical Sciences, The University of Tokyo

SINCE 1924
Japanese Journal of Mathematics

Takagi Lectures Web site:
http://www.ms.u-tokyo.ac.jp/~toshi/takagi/