Preface to the 22nd Takagi Lectures

The Takagi Lectures are expository lectures by the finest contemporary mathematicians.

The Mathematical Society of Japan (MSJ) inaugurated the Takagi Lectures as prestigious research survey lectures. The Takagi Lectures are the first series of the MSJ official lectures in mathematics to be honored with this respected Japanese mathematician’s name [2]. The lectures are intended for a wide range of mathematicians, and are as a rule held twice a year. The first Takagi Lectures took place in November 2006 at Research Institute for Mathematical Sciences (RIMS), Kyoto.


The Takagi Lectures bear the name of the principal creator of Class Field Theory, Professor Teiji Takagi (1875–1960). In Japan, he is also known as the founder of the Japanese School of modern mathematics [1,3]. Internationally, he served as one of the first Fields Medal Committee Members in 1936 together with G. D. Birkhoff, É. Cartan, C. Carathéodory, and F. Severi.

The 22nd Takagi Lectures are to be held on November 17–18, 2018, at The University of Tokyo. The distinguished lecturers for the 22nd Takagi Lectures are Y. André, F. C. Marques, and J. Maynard.
The lecture notes of the Takagi Lectures are to be published by the *Japanese Journal of Mathematics* (JJM). It is the oldest continuously published mathematical journal in Japan (founded in 1924) and its third series was relaunched in 2006 as a mathematical journal of research survey articles of the highest scientific level in cooperation with Springer. The editors of JJM, Y. Kawahigashi, T. Kumagai, H. Nakajima, K. Ono, T. Saito, and I, also serve as the organizers of the Takagi Lectures. Videos of the lectures will be available on the Internet.

This scheme of the Takagi Lectures is intended to support the mission of continuing the advancement of mathematics, not only in Japan but throughout the world.

The Takagi Lectures are financially supported by the surplus from the International Congress of Mathematicians, which was held in Kyoto in 1990, with funding provided by the MSJ.

I would like to take this opportunity to thank the distinguished lecturers and all those who have supported our endeavors. I hope that the Takagi Lectures will gain the respect of a worldwide audience and will continue to promote future progress in mathematics.

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Graduate School of Mathematical Sciences
and
Principal Investigator of Kavli IPMU
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Biography of Teiji Takagi

1875 April 21 Born in Gifu, Japan
1894 Entered the Department of Mathematics, Imperial University
1897 Entered the Graduate School of Tokyo Imperial University
1898–1901 Studied in Berlin and Göttingen
1903 Received the degree of Doctor of Science, Tokyo Imperial University
1904 Appointed Professor at Tokyo Imperial University
1920 Published his main paper on the class field theory
1925 Elected Member of the Imperial Academy of Japan
1936 Served on the 1st Fields Medal Committee
1938 Published the book A Course on Analysis (in Japanese)
1940 Received Culture Medal
1960 February 28 Died in Tokyo, Japan
Decorated posthumously with the Order of the Rising Sun of the First Grade

Bibliography