Minisymposium 21 - Automorphic forms and their applications

The Ikeda lifting and Jacobi forms of scalar index of general degree

SHUICHI HAYASHIDA (SIEGEN)

T. Yamazaki showed a relation between Fourier-Jacobi coefficients of Siegel Eisenstein series by using certain Hecke operators which change the index of Jacobi forms. (In case of degree 1, this Hecke operator coincides with the V_m operator introduced by Eichler-Zagier.) This relation gave a generalization of the Maass-relation for Siegel Eisenstein series. In this talk, we prove a similar relation for the Siegel cusp forms which are obtained by Ikeda lifting.