「平成29年度・徳島数学談話会」
2018年1月23日（火）15:30-17:40
徳島大学理工学部 共通講義棟（部屋は調整の後、連絡いたします。）

[1] 15:30-16:30
Siegfried Boecherer (Mannheim University)
Title : Arithmetic of modular forms
Abstract: The main reason for the number-theoretic significance
of modular forms is that they can be generated by arithmetic ones,
i.e. by those with algebraic Fourier coefficients with bounded
denominators. I will explain how this important fact can be obtained
from simple properties of Eisenstein series of higher degree.

[2] 16:40-17:40
Yoshinori Mizuno (Tokushima University)
Title : An explicit form of genus character L-functions and its applications
Abstract: An explicit form of genus character L-functions associated with any
quadratic order is presented. As an application, we generalize the formula
due to Hirzebruch-Zagier on the class number of imaginary quadratic fields
in term of the continued fraction expansion. We also mention that the local
factors in the explicit formula enjoy an analogue of the Riemann hypothesis.
This is a joint work with Masanobu Kaneko.