You are cordially invited to the 301st meeting as scheduled below.

**Date**: November 25, 2016 (Fri) 15:00 – 16:30

**Place**: RERF Auditorium

**Speaker**: Mr. Kosuke Morikawa
Graduate Student, Graduate School of Engineering Science, Osaka University

**Title**: “Semiparametric Adaptive Estimation With Nonignorable Nonresponse Data”

**Summary:**

When the response mechanism is believed to be nonignorable or not missing at random (NMAR), valid analysis for such data requires stronger assumptions than standard statistical methods. In this talk, we propose an optimal scheme for estimating mean of a response variable under nonignorable nonresponse and propose two (semiparametric) adaptive estimators by putting a parametric model only on response mechanism. Furthermore, the proposed estimators attain the semiparametric lower bound derived in a class of regular and asymptotically linear (RAL) estimators. Some previous methods for nonignorable nonresponse data are also introduced and compared with ours in a numerical experiment.