1060-30-108 **Yunping Jiang*** (yunping.jiang@qc.cuny.edu), Department of Mathematics, Queens College of CUNY, 65-30 Kissena Blvd, Flushing, NY 11367. *Function Model of the Teichmuller space of a closed hyperbolic Riemann Surface.*

In this talk, I will introduce a function model for the Teichmuller space of a closed hyperbolic Riemann surface. On this model of a Teichmuller space, we have a new metric by using the maximum norm on the function space. The identity map from the Teichmuller space equipped with the usual Teichmuller metric to the Teichmuller space equipped with this new metric is uniformly continuous. Furthermore, the inverse of the identity, that is, the identity map from the Teichm"uller space equipped with this new metric to the Teichmuller space equipped with the usual Teichmuller metric, is continuous. Therefore, the topology induced by the new metric is just the same as the topology induced by the usual Teichmuller metric on the Teichmuller space. I will give a remark about the new metric, the pressure metric, and the Weil-Petersson metric. (Received March 24, 2010)