



istanbul matematiksel bilimler merkezi  
istanbul center for mathematical sciences

## MIRZAKHANI MEMORIAL EVENT

Wednesday, 15 May 2019

**14.00-15.00: Özgür Kişisel** METU, Ankara

*Mirzakhani's work on Weil-Petersson volumes on moduli spaces*

Abstract: I will survey Mirzakhani's results about Weil-Petersson volumes and their enumerative consequences for random hyperbolic surfaces.

**15.00-15.30:** Coffee Break

**15.30-16.30: Arzu Boysal** Boğaziçi University, Istanbul

*Pointed stable curves, rational conformal field theory and theta functions*

Abstract: This is an expository talk on rational conformal field theory (RCFT) for pointed stable curves. We discuss its construction and elaborate on one such field theory coming from affine Lie algebras. We then relate various objects of study in RCFT to theta functions.

**15.30-16.30: Turgay Bayraktar** Sabancı University, Istanbul

*Ergodic properties of the  $SL(2, \mathbb{R})$  action on the moduli space*

Abstract: We survey on the recent results of M. Mirzakhani and her collaborators on the ergodic theoretic properties of the  $SL(2, \mathbb{R})$  action on the moduli space.

**Place:** : IMBM Seminar Room, Bogazici University South Campus

