

## Details for Poster Presentation

- **Name:** Aditya Bawane
- **Affiliation:** Sogang University, Seoul.
- **Title:** Minimal Gravity on a disk and Open Intersection theory
- **Abstract:** The generating function of intersection numbers on the moduli space of Riemann surfaces with boundary is conjectured to obey KdV-type equations – the so-called open KdV equations. We verify that the correlation numbers on a disk calculated from the matrix model approach indeed satisfy the open KdV equations for genus zero, giving us recursion relations characteristic of topological gravity. This is based on recent work with Hisayoshi Muraki and Chaiho Rim.