**universität
wien**

E I N L A D U N G

im Rahmen des Seminars für Mathematische Physik

zum Vortrag

von

Anton Alekseev

(University of Geneva)

über

„Symplectic structure of the Jackiw-Teitelboim gravity"

Abstract:
The Jackiw-Teitelboim (JT) gravity has recently attracted a lot attention because it gives a simple and yet nontrivial example of holographic duality.
In this talk, we discuss the symplectic structure associated to the JT gravity.
This topic was pioneered by Saad-Shenker-Stanford and by Stanford-Witten.
We will argue that the infinite dimensional Teichmüller space associated to a hyperbolic surface with boundary at infinity carries a canonical symplectic structure which arises through Hamiltonian reduction.
This reduction procedure is rather standard in the bulk and it has novel features at the boundary of the surface.
In particular, the Teichmüller space carries an action of the diffeomorphism group of the boundary with a non vanishing Virasoro central charge.
The talk is based on a joint work in progress with Eckhard Meinrenken.

Zeit: Donnerstag, **16.11.2023, 13.15 h**

Ort: **Erwin-Schrödinger-Institut, Schrödinger-Lecture-Hall,
Boltzmanngasse 9, 2nd floor**

gez.: S. Fredenhagen, H. Steinacker