



## Colloquium

# Zip trees

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Host: GSO

This talk will present the zip tree, a simple and efficient type of binary search tree. Zip trees use randomization to achieve balance. A zip tree can be viewed as a binary-tree representation of a skip list or as a variant of a treap. Insertion and deletion avoid the multiplicity of cases that arise in standard balanced trees. Zip trees can be adapted to exploit biased access distributions. Their simplicity makes them promising for concurrent use.

**Monday, October 2, 2017 04:00pm - 05:00pm**

Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.