Topology Seminar

Noah Riggenbach

of Northwestern University will be speaking on

NTC of Perfectoid Rings

on May 9 at 4:30 in
MIT Room 2-131

In this talk I will discuss my recent computation of the NTC groups of perfectoid rings which have a system of pth power roots of unity and thus the K-groups of the p-completed affine line $R\langle x \rangle$ over these rings relative to the ideal (x). This includes all perfect fields of positive characteristic, for which these groups vanish in non-negative degrees. This class of rings also contains many mixed characteristic rings, and perhaps surprisingly while the even nonnegative groups will still vanish, the odd groups will not.

For information, write: camkru@mit.edu