

# **Inward Gas Migration from the Galactic Disk to the Vicinity of the Central Black Hole**

**Sungsoo S. Kim**

Kyung Hee University, Dept. of Astronomy & Space Science, Korea

I review the inward journey of gas in the disk of the Milky Way down to the vicinity of the central supermassive black hole. Some of the gas in the Galactic disk falls down to the nuclear bulge region (central  $\sim 200$  pc) in a response to non-axisymmetric density distribution in the bulge, and forms a reservoir of dense molecular clouds, the Central Molecular Zone (CMZ). Some of the gas in the CMZ further migrates inward and forms another dense, ring-like structure called the CircumNuclear Disk (CND) in the central few parsecs region. I discuss why the CMZ and CND are located at their current locations and the role of two stellar structures, the nuclear bulge and the nuclear cluster, on the gas dynamics in the central few hundred parsecs region.