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**Mean Chain Transitivity and Almost Mean Shadowing Property of Iterated  
Function Systems**

**Invited Talk**

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**Abstract**

In this paper, we introduce the notions of mean chain transitivity, mean chain mixing, totally mean chain transitivity, and almost mean shadowing property to iterated function systems (IFS). We study the interrelations of these notions. We prove that an iterated function system is chain transitive if one of the constituent maps is surjective, and it has the almost mean shadowing property.

**Keywords:** Transitivity, shadowing, pseudo-orbits, chains, iterated function systems