## Fatma Zaouidi University of Gafsa, Tunisia Lie-Poisson triple systems and related structures. Abstract

We introduce the notion of pre-Lie Poisson triple systems. Pre-Lie Poisson triple systems are regarded as the underlying algebraic structures of Lie Poisson triple systems with nondegenerate symplectic form. They are also the algebraic structures behind the Rota-Baxter operators of Lie Poisson triple systems.