## PARTIAL DIFFERENTIAL EQUATIONS ON CURVED SPACETIMES

Organizers:

Anahit Galstyan (contact person) University of Texas Rio Grande Valley, TX, USA e-mail: anahit.galstyan@utrgv.edu Makoto Nakamura Yamagata University, Yamagata, Japan e-mail: nakamura@sci.kj.yamagata-u.ac.jp Karen Yagdjian University of Texas Rio Grande Valley, TX, USA e-mail: karen.yagdjian@utrgv.edu

Aims: The session will discuss various problems for partial differential equations on curved spacetimes. The topics will include the representation and qualitative properties of the solutions of initial value and boundary value problems for linear and nonlinear PDEs in the curved spacetimes, global existence and blow up of the solutions, and numerical simulations, etc.