1145-35-1282   **Kamran Sadiq** and **Alexandru Tamasan*** (`tamasan@math.ucf.edu`), Department of Mathematics, University of Central Florida, 4000 Central Florida Blvd., Orlando, FL 32816. *On some new applications of the theory of A-analytic maps in Tomography.* Preliminary report.

The theory of A-analytic maps have been developed since late 1990s by A. Bukhgeim in connection with the the inversion of the Attenuated X-ray transform in the plane. We will present some new applications in imaging through a weakly scattering media. (Received September 20, 2018)