1145-54-215 **Soumyadip Acharyya*** (acharyys@erau.edu), **Sudip Kumar Acharyya**, **Sagarmoy Bag** and **Joshua Sack**. *Topologies on the Rings of Measurable functions.*

Let $(X, \mathcal{A})$ stand for a nonempty set X equipped with a σ-algebra $\mathcal{A}$ over X. The set of all real-valued $\mathcal{A}$-measurable functions on X forms a commutative lattice ordered ring with unity if the relevant operations are defined pointwise. My talk will focus on the so-called m-topology on this ring $\mathcal{M}(X, \mathcal{A})$ and its measure-theoretic generalization. Important topological properties including first countability and connectedness will be discussed. (Received August 20, 2018)