

# ***n*-R.E. DEGREES: A SURVEY OF RESEARCH OF PROF MARAT ARSLANOV AND HIS GROUP**

WU GUOHUA

In this talk, I will give a survey of the achievement of Prof Marat Arslanov and his group in Kazan, with the focus on their work on *n*-r.e. Turing degrees, enumeration degrees and Q-degrees. Prof Arslanov has done leading research in the structure on d.r.e. Turing degrees since the early of 1980s, who first found a structural difference between r.e. Turing degrees and d.r.e. Turing degrees. After this, he started an extensive research on the isolation phenomenon in the dre degrees, and extended his research to the structures of *n*-r.e. enumeration degrees and Q-degrees with his students and collaborators. Most of his work is still influential in the society of computability theorists.

NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE  
*E-mail address:* `guohua@ntu.edu.sg`