

1116-S5-1527 **Judit Kardos*** (kardosj@tcnj.edu), The College Of New Jersey, Mathematics and Statistics Department, Ewing, NJ 08628. **Pósa's Discovery method in Real Analysis.**

The aim of this talk is to introduce the method of teaching mathematics developed by an eminent mathematician and educator Lajos Pósa. The main principle of Pósa's method is that students discover mathematical concepts on their own through working on tasks that build on each other, all the while having the experience of thinking like mathematicians. The method was originally developed for gifted students in mathematics camps. I added a mandatory fourth hour, called a problem seminar, to all my Real Analysis classes and used the extra time to experiment with the Pósa method. I will share work sheets and problem sets related to sequential convergence. Participants will be asked to play the role of the student and then to reflect on the learning experience as a teacher. (Received September 20, 2015)