

1145-L1-2454      **Bob Carmichael\*** (bobc@edfinity.com) and **Davide P Cervone** (dpvc@union.edu). *Edfinity: Enhancing traditional high-school education materials.*

Edfinity is an online homework system that allows you to create and manage courses and assignments in mathematics. You can choose questions from a large library of existing problems, or you can create new problems using Edfinity's built-in problem editor, either through its own problem templates, or using WeBWorK's PG problem language. Edfinity has access to the complete WeBWorK Open Problem Library, but we have been developing a new corpus of problems and resources centered on the International Baccalaureate (IB) and International General Certificate of Secondary Education (IGCSE) standards. These were field tested in India in the fall of 2018. In this talk, we describe Edfinity, the new materials we have developed, the results of their use in India, and our future directions. (Received September 25, 2018)