

## **Rich Online Mathematics Tasks: An Interactive Database**

Immaculate K. Namukasa and George Gadanidis

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Teaching mathematics in innovative ways such as through problem posing and solving is important. Teachers who have not experienced this kind of teaching find it difficult to implement. Plus such modes of teaching are difficult to outline in documents without reducing them to routines.

This project builds a web-based database that includes access to a set of annotated, exemplary, non-routine problems. The problems created by teachers in collaboration with researchers will include video clips of problem solving activities of teachers and students. Teachers who access the database will virtually participate in and observe teaching mathematics through problem solving and will be encouraged to create, annotate and add problems to the database.

The project offers K-8 teachers a researched-based resource that integrates practice and uses newer technology.