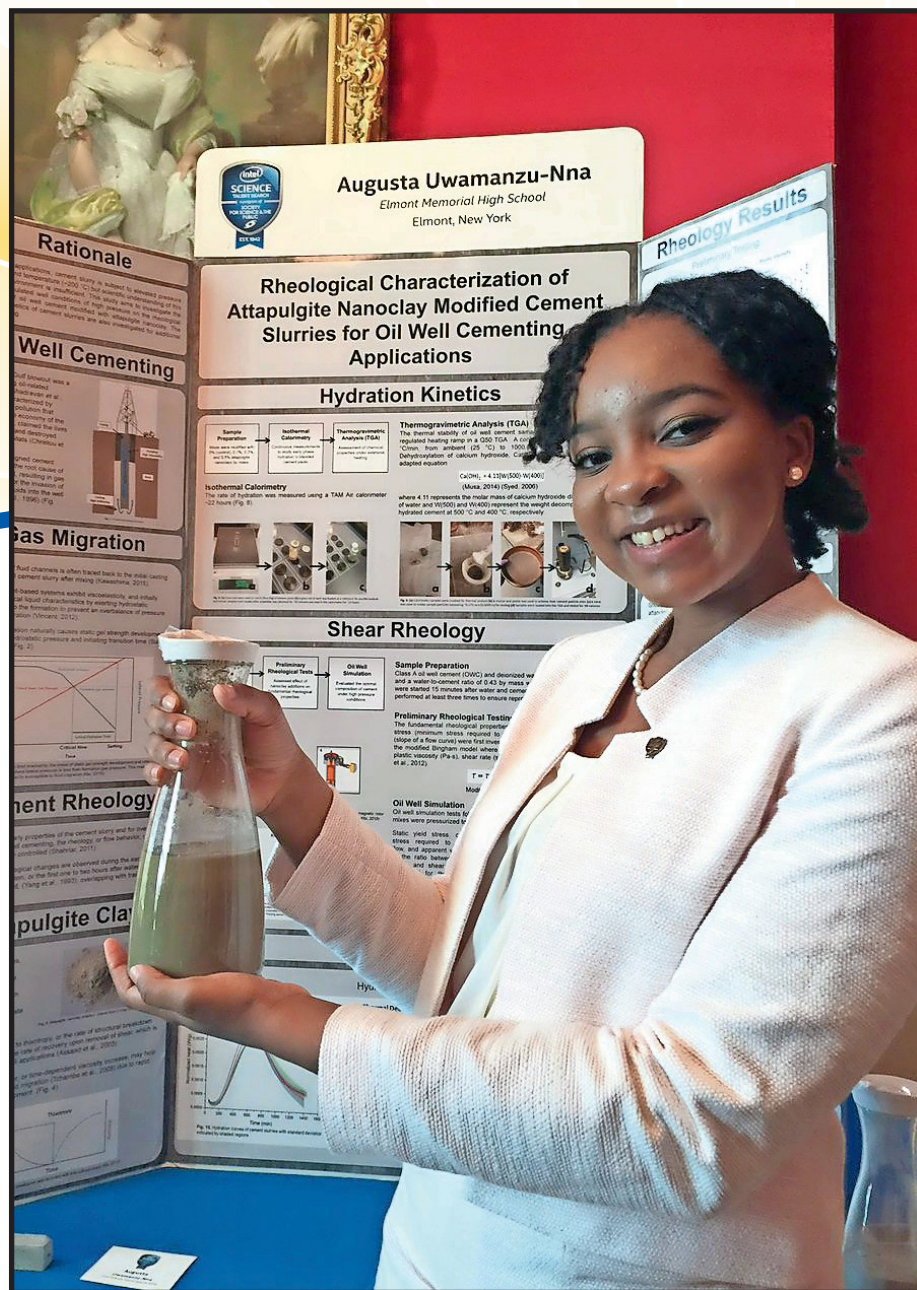


AUGUSTA UWAMANZU-NNA

Elmont, New York

Age 17 at the time of innovation



ACHIEVEMENT: DISCOVERED A METHOD TO IMPROVE CEMENT FOR UNDERSEA SEALS

Have you ever wanted to do something different for a science fair project? Something that stands out from the others? That's what lead Augusta to learn about cement.

Augusta began working with cement to set herself apart from other students. She learned that cement is the second most used material in the world! Water is the first! She also learned that cement production adds to human-made carbon emissions. Extra carbon going into the atmosphere upsets nature's balance.

Augusta explored ways to reduce the carbon footprint of cement. She discovered a special clay that makes cement very strong called attapulgite. The mixture can be used to make undersea cement seals. Undersea cement seals are commonly used for oil rigs. Her new cement can make oil rig seals stronger. This could help prevent oil rig disasters. Oil rig disasters pollute water and injure animals.