"The success of engineering is based on a deep reservoir of talented people. In the United States this wellspring has been nourished principally by drawing from a white male population. We aspire to an engineering profession that will effectively recruit, nurture, and welcome under-represented groups to its ranks."

-- The Engineer of 2020

As we continue to focus on the future, NEEDS is pleased to highlight resources in our digital library that focus on diversity. There exists a huge gap between the diversity of the U.S. population and that of the engineering profession. In honor of Black History Month, NEEDS focuses on resources that promote African American Engineers.

Suitable for classroom or individual use, the resources available at NEEDS are at your command. We invite you to put them to good use, to educate and inspire the engineers of tomorrow.

THE ENGINEER OF 2020

Written from the perspective of engineering practice, this report focuses on the future of engineering, detailing the necessary characteristics of the engineer of 2020 and the ways in which the education and training of engineers must improve in order to ensure their ability to face the complexities future technologies hold.

"The practice of engineering is changing much more rapidly than higher education has. We need to undergo fundamental changes in the "what", "how" and "who" we teach if we are to meet the needs of 2020."

- William A. Wulf, President, National Academy of Engineering

WHAT DO YOU KNOW?

With the following clues, can you name this engineer?

CLUE #1: His inventions were "the real McCoy"

CLUE #2: His parents escaped slavery in Kentucky through the Underground Railroad

Don't know? Here are two more clues...

Comment on this Resource