Reviewed by Lucinda E Clarke for *Readers' Favorite*

There are not many female engineers, but E. B. Davidson is one of them. In *STEAMed Off to China*, Ellie has been called from ZeeComm headquarters in San Diego to fly over to sort out a problem.

When she arrives in Beijing, she discovers there are two more fires to fight. The author explains the problems and, using deduction and engineering and technical knowledge, the team can fix each of the areas that are losing cell phone coverage.

In places, the book is a little technical, but problems and solutions are clearly explained, along with maps, diagrams, and photographs. Ellie also includes flashbacks to her early interest in technology, growing up on a farm, and being able to fix everything.

She is critical of engineering schools as being too focused on theory, and this book in particular shows how out-of-the-box approaches encompass vision, judgment, and execution in problem solving.

Besides the engineering breakdowns in Beijing, there are three companies all blaming each other for the faults, and since the working culture in China is so very different from the West, this also adds another dimension to the story.

In the introduction to *STEAMed Off to China*, E.B. Davidson states that she wrote it to inspire young people to study the STEAM subjects – science, technology, engineering, art, and math.

Her troubleshooting trip to China is exciting, describing a new world of high-speed trains, different foods, and culture, with a background of technology.

I liked that Ellie tells us how she was first interested in science, and she has a gift for explaining how things work in a simple way. I learned a lot about how cell phones received calls, how the radio waves worked, and something about the installations.

Even for the technically challenged, this book is an eye-opener. Apart from the work side, there are many descriptions of life in China, and I found them interesting as well.

An easy-to-read book. I would recommend it to older teenagers who may be considering a career, as it demonstrates what opportunities are offered in the world of engineering.