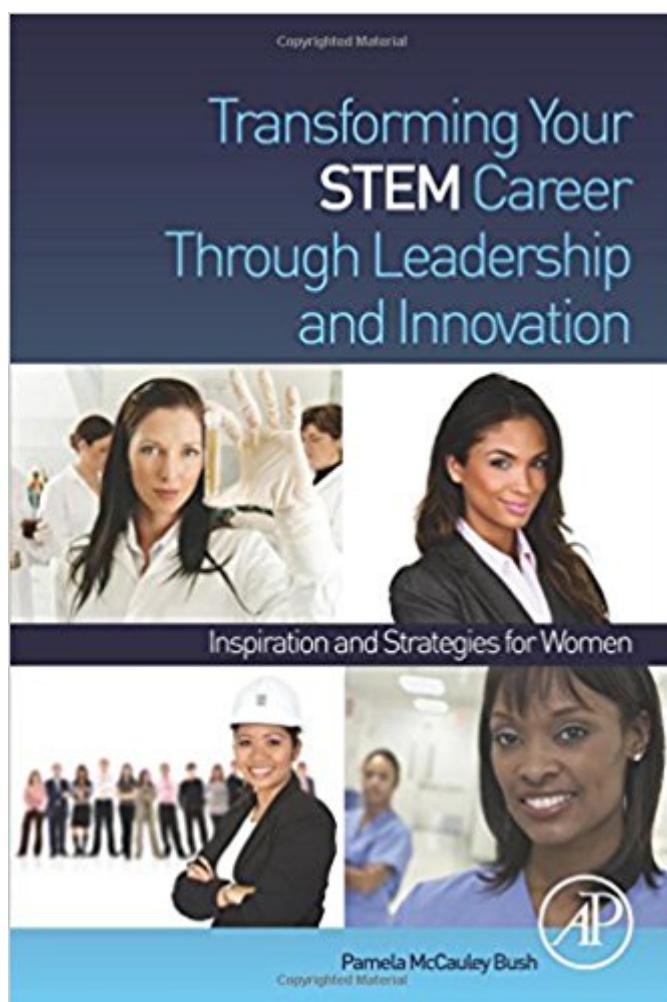


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# Transforming Your STEM Career Through Leadership And Innovation: Inspiration And Strategies For Women



## **Synopsis**

Transforming Your STEM Career Through Leadership and Innovation offers valuable information on what it means to be a leader and innovator and encourages you to discover and develop these skills for yourself. This book integrates leadership and innovation principles with personal examples and profiles of inspirational women. By providing a clear process on how to build upon your personal strengths to realize leadership and innovation goals, this book will inspire you to pick up the mantle and meet the critical need for leadership and innovation in the STEM fields. This is a must-have guide that is relevant and valuable for women in all stages of their careers. Examines research-based leadership and innovation principles to make these critically important characteristics both real and attainable. Empowers you to build upon your own strengths and successes to discover and develop leadership and innovation skills. Features a companion website that highlights women's leadership success stories, innovation resources and best practices. Provides a practical guide that educates, encourages and equips you to pursue leadership and innovation opportunities.

## **Book Information**

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## **Customer Reviews**

Pamela McCauley Bush, PhD, CPE is a leader, innovator and motivator. She is currently an Associate Professor and Director of the Ergonomics Laboratory, Industrial Engineering and Management Systems Department at the University of Central Florida. She is also the Chief Technology Officer of Bush Enterprises/Tech-Solutions, Inc. Dr. Bush is a successful researcher and innovator as demonstrated by the numerous federal research grants, technical publications,

and national and international committee appointments to her credit. She is a nationally recognized motivational speaker in the Women's Leaders and STEM Education communities.

As a PhD student whose faced her share of obstacles in a STEM career, I found Bush's book extremely helpful and soothing - knowing others faced similar challenges. However, as she points out, and as do many current studies, barriers and stereotypes still exists, and professors and managers still tend to undervalue women in STEM careers. Please help them become aware of their subconscious lack of support by buying this book for your favorite STEM professor or manager! Bush covers the stimulus response theory, in which STEM women are put down so often that it can lead to negative conditioning and focusing on your weaknesses. Instead, she recommends building on talents, knowledge and skills to become a force for innovation. Find mentors and learn from them how to find and pursue real opportunity. Bush encourages STEM women not to give up too soon, pull yourself together, develop positive self-regulating behaviors, and "Get out of your own way!" She provides practical lists, references, and guidance to do just that. Finally, Bush covers a weird observation that most STEM women make early on. The few women who do make it often do NOT support those struggling valiantly to do so, but more often tear them down or support men for hire, promotion, mentoring, and advising instead! We need to all become "rainmakers" making opportunities for ALL who need our support, as improving diversity will lift us all, while increasing innovation and U.S. competitiveness.

As a former engineer, I wish this book was there for me. Thank you for this book, giving hope to others who have struggled with the glass ceiling.

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