

Dr. Sahar Tahvili

Sahar Tahvili is a product development leader at Ericsson AB and also a researcher at Mälardalen University, who holds a Ph. D. in Software Engineering since 2018. Her doctoral thesis entitled “ Multi-Criteria Optimization of System Integration Testing “was named one of the 20 Best Software Testing Books of All Time books by BookAuthority. Sahar’s research journey is driven by a desire to bridge the gap between academic insights and real-world applications in

industries. With a focus on artificial intelligence, advanced testing methodologies, and designing decision support systems (DSS) she seeks practical solutions to enhance software-intensive systems in the telecommunications sector. Before her current roles, Sahar served as a senior researcher at the Research Institutes of Sweden (RISE), where she engaged in close collaborative research endeavours with Bombardier Transportation in Sweden, fostering connections between academia and industry. In 2022, Sahar Tahvili and Leo Hatvani co-authored a book titled “Artificial Intelligence Methods for Optimization of the Software Testing Process: With Practical Examples and Exercises.”

The Association for Computing Machinery (ACM), has acknowledged this book as a pioneering empirical study within the field, distinguishing it for its unique approach in juxtaposing theoretical assumptions with real-world industrial practices. Through a comprehensive analysis of a diverse array of use cases from both developed and developing testing processes across various industries, the book sheds light on the practical implications of theoretical innovations in a real industrial environment.