

Software Engineering and Modeling Education: Problems and Solutions

Nicolas Guelfi

Faculté des Sciences, de la Technologie et de la Communication,
Université du Luxembourg, nicolas.guelfi@uni.lu

Abstract:

Mastering the development of software having the required quality level is a complex task. Since 1968, the software engineering discipline has grown in order to offer theories, methods and tools to software engineers to tackle this complex task. The role of software engineering educators is to help the learners to acquire competencies in those theories, methods and tools to better master the production of quality products.

- After near than 50 years of development what is the status of software engineering and modeling education?
- What are the attributes, threats and means for quality software engineering education?

This talk will present the outcomes of an individual experience of 25 years of teaching software engineering and modeling in computer science programs at bachelor and master levels. A concrete educational software engineering and modeling environment will be presented as one of the means to better educate our engineers to our discipline and be prepared for facing their future professional challenges.

