Requirements engineering for modern systems: The PEGS approach

Date & Time: 31st of Jan, 2024, 18:15h, Research talk (75 min)

Where: Amphitheater "Nikola Tesla" (hall 56), Faculty of Electrical Engineering, University of Belgrade

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ABSTRACT

Quality requirements are one of the key to the success of software projects. Most developments today rely on primitive and incomplete forms of requirements, use cases and user stories, which cannot suffice.

The comprehensive approach presented in this talk considers four equally important areas for requirements – Project, Environment, Goals and System – and includes a standard plan for requirements documents, replacing the venerable but obsolete 1998 IEEE standard. It also reserves a place for a reasoned use of some formal elements.

The talk will explain the challenges of the requirements and outline how to produce helpful requirements up to the challenges of today's ambitious systems.

SUBMIT YOUR QUESTIONS

ABOUT BERTRAND MEYER

Bertrand Meyer is Professor of Software Engineering and Provost at Constructor Institute in Schaffhausen (Switzerland). He is Professor Emeritus at ETH Zurich, where he served as chair of the computer science department, and CTO of Eiffel Software, based in Santa Barbara (California). His work has covered topics in object technology, programming language design, software verification (both proofs and tests), requirements engineering, and other fields of software engineering. He is the recipient among other prizes of the ACM Software System Award and the IEEE Harlan Mills Award. His latest book is "Handbook of Requirements and Business Analysis" (Springer).