

Reusability and Reproducibility Challenges in Commercial Software Development at Scale

Thursday 17 October 2024 09:00 (1 hour)

CST Studio Suite is a high-performance 3D EM analysis software package for designing, analyzing and optimizing electromagnetic (EM) components and systems. Its mathematical foundation dates back to the 1970s when the so-called Finite Integration Technique (FIT) was developed that is still the basis of CST's time-domain solver.

Nowadays, CST is a part of the multi-physics simulator SIMULIA and it is developed further by more than 100 software engineers that commit code changes on a daily basis. In my talk, I will present tools and workflows such as our "Testsuite" that are used at CST in order to guarantee high-standard industry code development.

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