SCRIPTING AND THE WORLD BEYOND

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ABSTRACT
Python has been the heart of scripting in ANSA and META for many years and ever since it has been introduced it has attracted many people to engage into scripting easier than ever. This most common language offers very versatile possibilities of automation, but also has inherent limitations often forgotten. These limitations occur more frequently nowadays since automatization is pushing forward and bigger tasks are being tackled. As a result the interface obviously hasn't found a consistent place in the upcoming data-based CAE world yet.

The presentation will first focus on the current state of Python Scripting in general, as well as in the context of ANSA and META. Thereupon scenarios will be explained which need an extension of common scripting. First existing possibilities like native Python modules and their varieties will be discussed. Thereafter new interfaces, programming languages, trends and technologies will be explained and also demonstrated, giving hints of what is possible and where the future of CAE automatization might lead.