

PERMAS/VisPER Upgrade Workshop (UPV19)

The participants will get an overview of the numerous new functionalities in PERMAS V19 and VisPER V19.

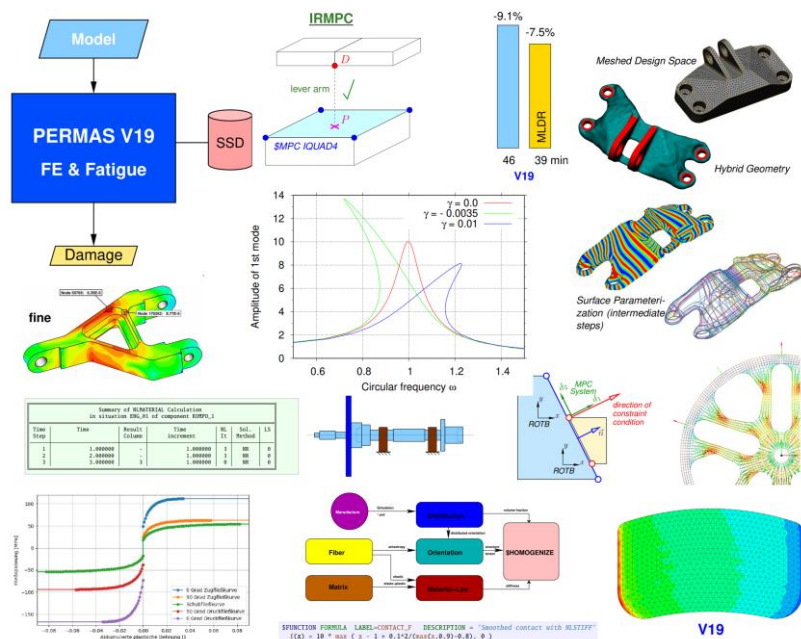
First of all, an overview of all changes is given and the general new functionalities and changes that all users of PERMAS / VisPER have to observe are shown.

Numerous highlights characterize the new versions. With the integrated fatigue life analysis and the harmonic balance method, two new functionalities are now available. While fatigue life analysis aims to increase productivity and improve the process chain by eliminating interfaces, the harmonic balance method offers non-linear analyzes in the frequency range for a large number of new applications for the first time.

The contact analysis has been enhanced with a new automatic handling of rigid body modes. Furthermore, the contact geometry update can now be selected for each contact area and the contact pressure calculation has been improved. The non-linear statics were enhanced by the anisotropic plasticity for short-fiber materials and the fitting of hyperelastic material data for the use of measured material properties.

VisPER now has a STEP geometry interface and displays geometry. The geometry is already used to mesh geometry surfaces. Closed triangular meshes can be Tet-meshed in the next step.

These are just some of the innovations that will be presented in the training. The overviews of all new features are printed in the Software Release Notes for PERMAS Version 19 and in Chapter 1.2.1 of the VisPER User's Manual Version 19.



Date: November 22-23, 2022 from 9:00 a.m. until 12:00 p.m., online training

Topics:

Day 1: Overview of PERMAS V19, Contact Analysis/RBM Handling, Non-linear Statics

Day 2: Dynamics/Harmonic Balance, Fatigue LIFE Analysis, VisPER

Prerequisite: Practical experience with PERMAS

Participation fee:

The fee for the complete UPV19 training course amounts to 420,00 EUR plus VAT per person. The training fee includes all training documents.

Registration:

Please register online on our homepage or by using the registration form, indicating the desired training course. **The registration deadline for a training course is two weeks before the respective date.**

If you withdraw your registration between registration date and 7 days prior to the training course, we charge 25 % of the training fees. We charge 100% of the fees if you inform us later than 7 days before the training course or if you do not participate at all.

Usually, a minimum and maximum number of participants is defined for each course.

Organization and information:

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