

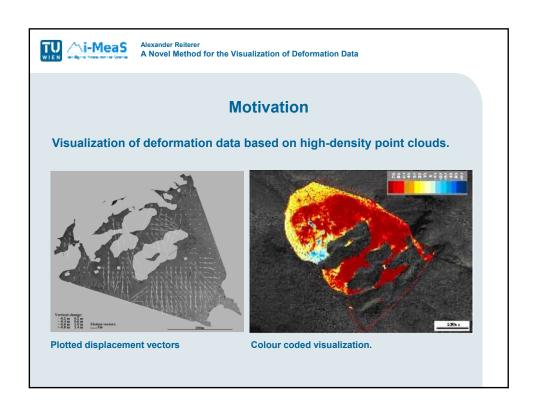


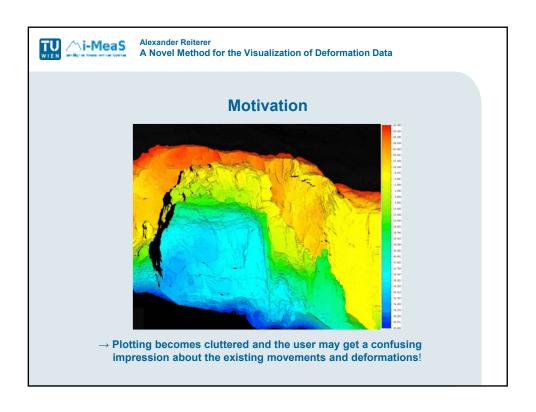
A Novel Method for the Visualization of Deformation Data

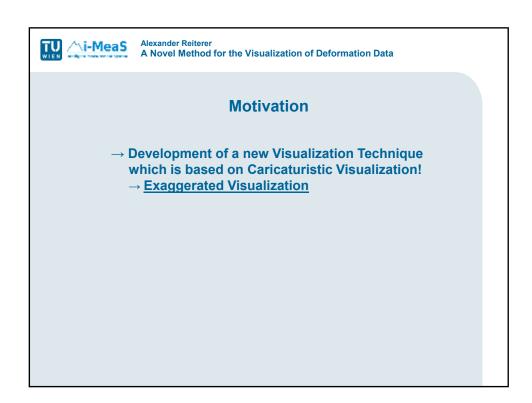
Alexander Reiterer¹, Peter Rautek², Eduard Gröller²

¹ Institut of Geodesy and Geophysics Vienna University of Technology ² Institute of Computer Graphics and Algorithms Vienna University of Technology

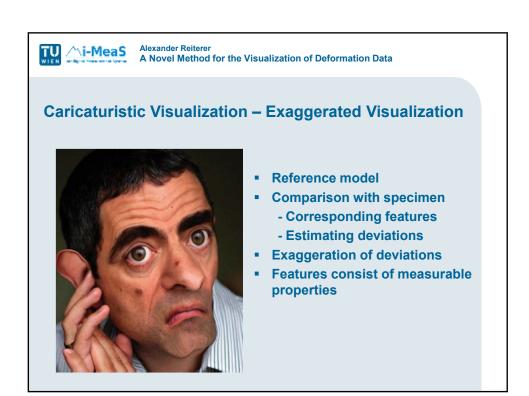
Contact: alexander.reiterer@tuwien.ac.at



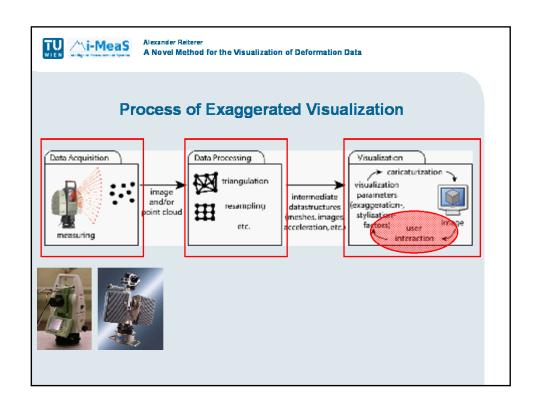


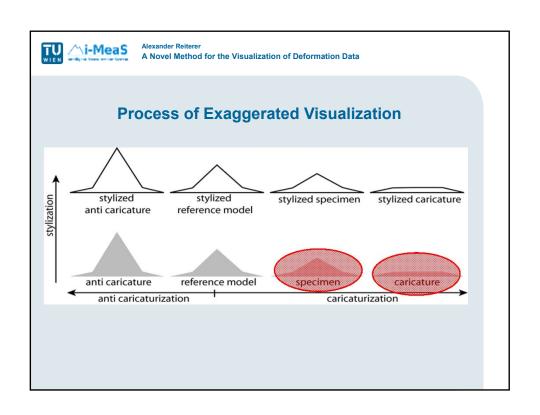


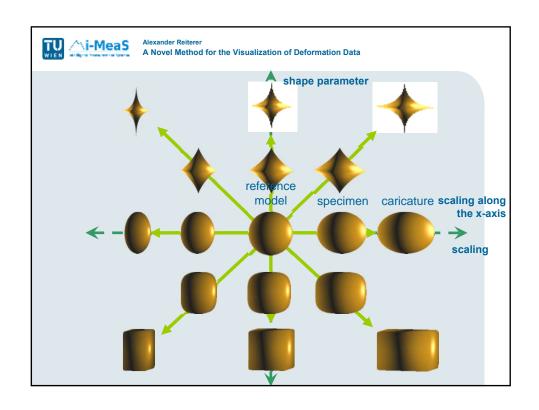


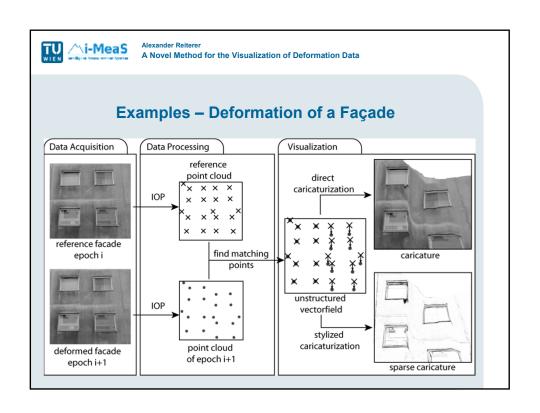




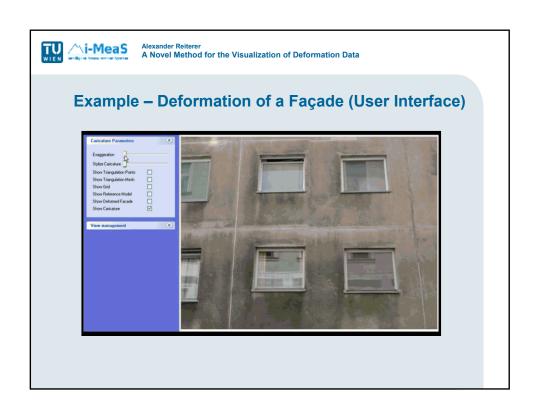


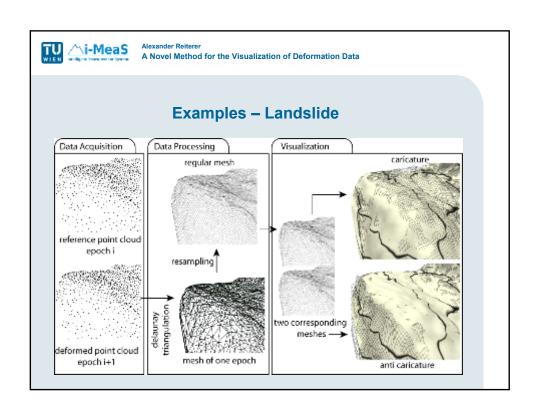


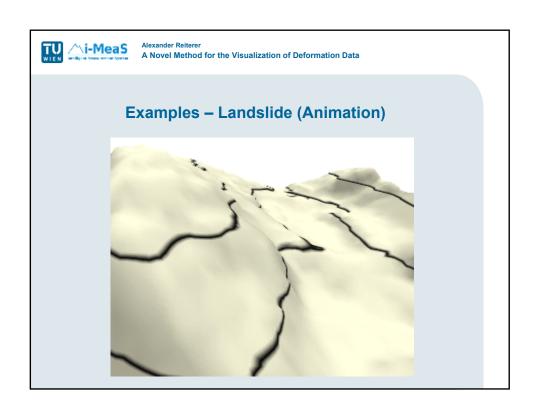


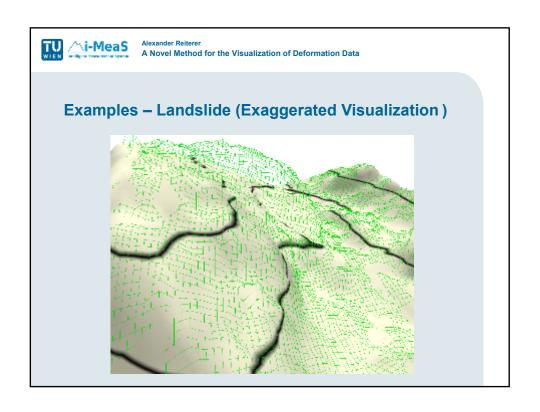














Conclusion

- More than one feature can be visualized (e.g. displacement vectors, threshold for a maximal deformation rate, etc.). This makes the visual interpretation of complicate deformation behavior including influence factors possible.
- Visualization can be done (if necessary) in the 3D space without a transformation into separated 2D representations.
- Visualization can combine/fuse measurement data and images and can be used for animated and/or interactive representation.
- Datasets can be compared to a reference model, a global threshold, or a locally modeled threshold.

