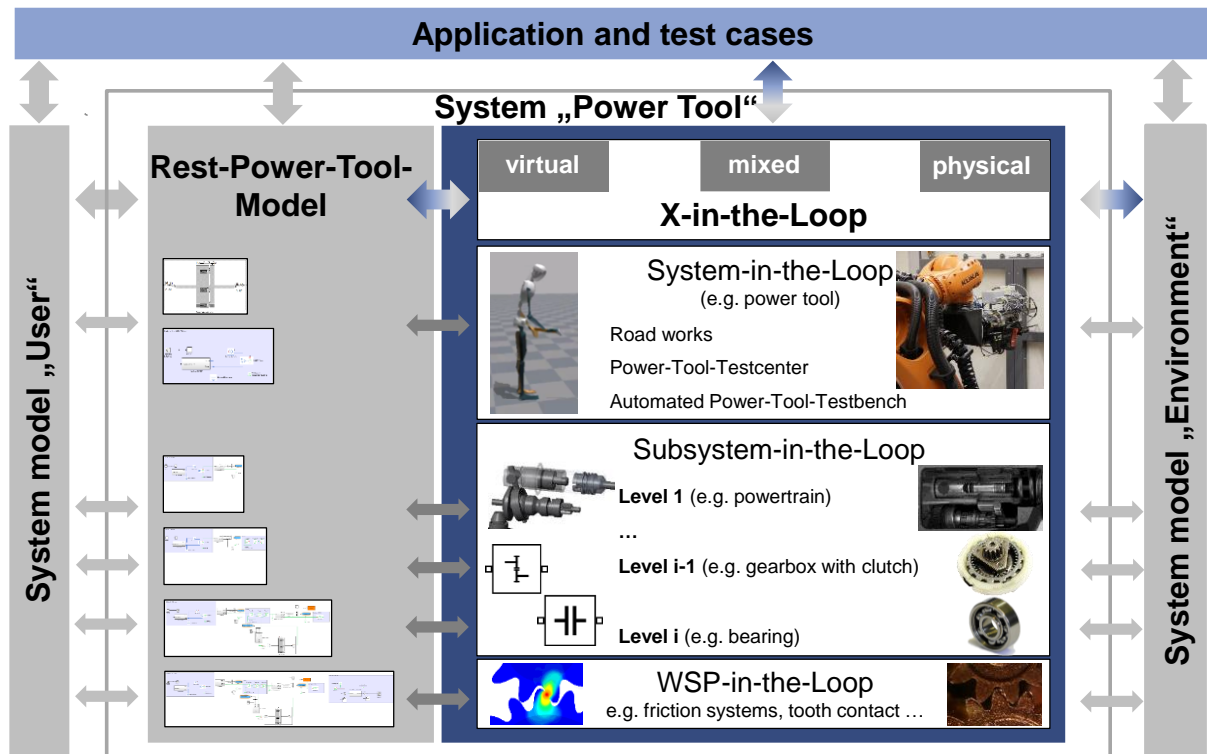# IPEK-X-in-the-Loop-(IPEK-XiL)-Framework for Power Tools



The IPEK-X-in-the-Loop (IPEK-XiL) framework for power tools describes the different system layers - from the power tool, components to the working surface pairs level. The IPEK-XiL framework for power tools is based on the generalized IPEK-X-in-the-Loop (IPEK-XiL) framework in [1], [3] and [4] and is adapted to power tools.

# References

[1] A. Albers, M. Behrendt, S. Klingler und K. Matros, „Verifikation und Validierung im Produktentstehungsprozess," in *Handbuch Produktentwicklung*, München, Hanser, 2016.

[2] A. Albers und T. Düser, „Integrierte Validierungsumgebung für energieeffiziente Fahrerassistenzsysteme am Rollenprüfstand," IPG Technology Conference apply and inovate, 2008.

[3] A. Albers und T. Düser, „Implementation of a Vehicle-in-the-Loop Development and Validation Platform," FISITA 2010 World Automotive Congress, Budapest, Hungary, 2010.

[4] A. Albers, J. Fischer, M. Behrendt und D. Lieske, „Measurement and Interpretation of the Transfer Path of an Acoustic Phenomenon in the Drivetrain of an Electric Vehicle," *TZworldwide,* Bd. 116, Nr. 03/2014, pp. 48-55, 2014.