PROPOSITIONS

belonging to the thesis

Cyber-Physical Systems Software Development

way of working and tool suite

1. Multi-threaded work is only possible with a good way of working to tackle the synchronisation problems.
2. The time aspect of a real-time requirement only gets its real significance when the criticality aspect is known.
3. The choice between an essential but basic, and a feature-rich but complex component model is similar to the choice between Linux and Windows.
4. Models are very nice in theory, but one cannot do much with them in practice.
5. Modularity improves reusability both in engineering as in daily life, a practical example is a modular cabinet: After moving to our new home it has been reused all over the place.
6. Defining a universal way of working to design universal software for universal cyber-physical systems is quite an accomplishment.
7. The utopia of perfect software structure combined with the utopia of first-time-right designs, does make the dream more realistic.
8. Being able to let go of perfectionism is a virtue.
9. Taking shortcuts requires much more experience: Only people who feel old enough are qualified to take them.
10. This thesis would not have been necessary if people continued building simple robotic systems for single tasks.

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