

1. The brain can control the human arm to behave as a passive physical system but only when it wishes to. Passivity is not an essential property of the human arm (This thesis).
2. We don't know what a human operator wants during a bilateral teleoperation (This thesis).
3. It is possible to obtain a satisfactory level of realism via a model-based control design (This thesis).
4. Our sense and perception systems are quite imperfect and we are aware of it. Optical illusions, 3D movies, surround audio systems all take advantage of this fact as our brain gracefully fails. The key to success in touch related technologies lies in the same realm.
5. When Nietzsche wrote "*Unexplained, obscure matters are regarded as more important than explained, clear ones*", he should have been admitted to the nearest control-theory department.
6. In *Apprenticeship of a Mathematician*, André Weil states that "*It is all too widely believed that it is better to misspend a sum of money than not to have use of it all*". Clearly, he never applied to a project grant since otherwise he would have stated "*It is well-known that it is better to...*"
7. When a scientific field needs a different perspective to look at the questions at hand, there's nothing more annoying than a bunch of disciples.
8. Using expensive and often poorly performing proprietary software for research is both a terrible mistake and a waste of scarce resources. Thanks to platforms such as Arduino, Raspberry Pi etc. even the hardware is open source. It is not a valid excuse to argue that it would cost time to build something from scratch. Other alternative costs time too and additionally money.
9. Fifty years from now on, people would still see themselves as modern.
10. If you can't hear the click anymore, you are either perfectly on the beat or your metronome is broken.

These propositions are considered opposable and defensible and as such have been approved by the supervisors prof.dr.ir. Maarten Steinbuch en prof.dr. Siep Weiland.