

Propositions

accompanying the dissertation

TECHNOLOGY PLATFORM FOR ADVANCED NEUROSTIMULATION IMPLANTS

by

Marta Maria KLUBA

1. The complexity of the parylene deposition process is underestimated.
This proposition pertains to this dissertation
2. The business of polymer-based neurostimulation implants hinders its own development by locking the supply chain, concealing knowledge, or shelving superior technologies.
This proposition pertains to this dissertation
3. It is impossible to do state-of-the-art research on healthcare devices such as bioelectronic implants or organ-on-chip in a cleanroom where also active silicon devices are processed.
This proposition pertains to this dissertation
4. In an academic cleanroom, one must progress with the research faster than the environment evolves. Otherwise, she or he might have to continuously start all over again.
5. Publishing about failures can often bring technology further than publishing about successes. Unfortunately, failures are not readily accepted by high-level journals. They are communicated mainly by word of mouth.
6. Participating in a European project like InForMed gives access to high-level knowledge and technology, but it reduces the flexibility of the doctoral researcher.
7. "If you torture data long enough, it will confess" Ronald H. Coase
8. Research should complement and not take over the life of a scientist. Only then is it possible to fully enjoy successes.
9. "Every now and then a man's mind is stretched by a new idea or sensation and never shrinks back to its former dimensions." Oliver W. Holmes (Sr) in *The Autocrat of the Breakfast Table* (1858).
10. Maternity is a fast way to learn how to take care of others more than oneself.

These propositions are regarded as opposable and defensible, and have been approved as such by the promotor prof. dr. ir. Ronald Dekker.