Towards Artificial Social Intelligence in the Wild
Sensing, Synthesizing, Modeling, and Perceiving Nonverbal Social Human Behavior

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Propositions

accompanying the dissertation

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by

Chirag Anantha Raman

1. For science, precision is more important than comprehensibility.

☞ 2. Proficiency in expressing concepts mathematically is critical for conducting good machine learning research. The skill becomes even more vital when conducting interdisciplinary research in Artificial Social Intelligence.

3. A skilled researcher can effectively argue both sides of an issue without personally believing in either.

☞ 4. Modeling low-level behavior dynamics from data is infeasible without incorporating social-science insights into machine learning methods.

5. Complexity does not equate to a lack of clarity.

☞ 6. To expedite the development of socially intelligent machines, perceived measures of behavior should be prioritized over self-reported measures.

7. For success in research, the perception of one's expertise holds greater significance than the expertise itself.

8. Curating datasets on social human behavior is a research undertaking that merits consideration as a stand-alone Ph.D. dissertation topic.

9. Demos bring funds. Real-time demos bring funds in real time.

10. To advance a field, experts should not impede the autonomy of non-experts.

These propositions are regarded as opposable and defendable,
and have been approved as such by the promotors
dr. H. Hung, prof. dr. M. Loog, and prof. dr. ir. M.J.T. Reinders.

☞ Pertains to this dissertation.