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Digital force: disrupting life, liberty and livelihood in the information age

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Citation

Keulen, R. J. F. van. (2018, May 9). *Digital force: disrupting life, liberty and livelihood in the information age*. Retrieved from <https://hdl.handle.net/1887/62050>

Version: Not Applicable (or Unknown)

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Issue Date: 2018-05-09

Propositions relating to the dissertation *Digital Force: Disrupting Life, Liberty and Livelihood in the Information Age* of Roy van Keulen

1. The prevalence of the protection of life, liberty and property in philosophy and in law, across time and across space, is not a historical coincidence, but rather, it reflects a natural logic to structuring a society which is ultimately dictated by the laws of physics.
2. Because of the natural laws of the digital universe, we are writing a new chapter in the book of life and we are entering a new age; the *Information Age*, which is as revolutionary, unique and grand as our previous chapters on our hunter/gatherer, agricultural and industrial ages.
3. In the information age, livelihoods increasingly depend on being able to capitalize on the valuable nuggets of information we extract and process from data mines and the information resources which we cultivate needs to be regarded analogous to valuable cultivated agricultural fields or natural resource mines in, respectively, the agricultural- and industrial ages.
4. In the information age, the critical infrastructures of energy, matter and information are, respectively, analogous to the respiratory-, cardiovascular- and central nervous systems of the State body pursuant to the anatomy analogy.
5. Article 2(4) UN Charter and Article 51 UN Charter are attempts at codifying natural law and natural law can therefore be consulted for the interpretation of the application of these laws to the domain of cyberspace.
6. The more a State's economy moves into cyberspace and the larger the scale of the theft of intellectual property through cyber operations, the more severe the effects of this theft become and therefore, the more likely it is that a State will consider such theft as aggrandizement of territory.
7. The more a State's infrastructures become dependent upon the well-functioning of cyberspace and the more durable the functional disruption which is caused by a cyber operation, the more severe the effects of this disruption become and therefore, the more likely it is that a State will consider such disruption as a blockade of its territory.
8. States can extend sovereignty over cyberspace, because the attribution problem in cyberspace can be solved and effective control can be maintained.
9. If you're killed in the matrix, you die here.
10. The nation State remains the best vehicle for elevating the human condition.