

Indicator Based Approaches

Experiences with MARA

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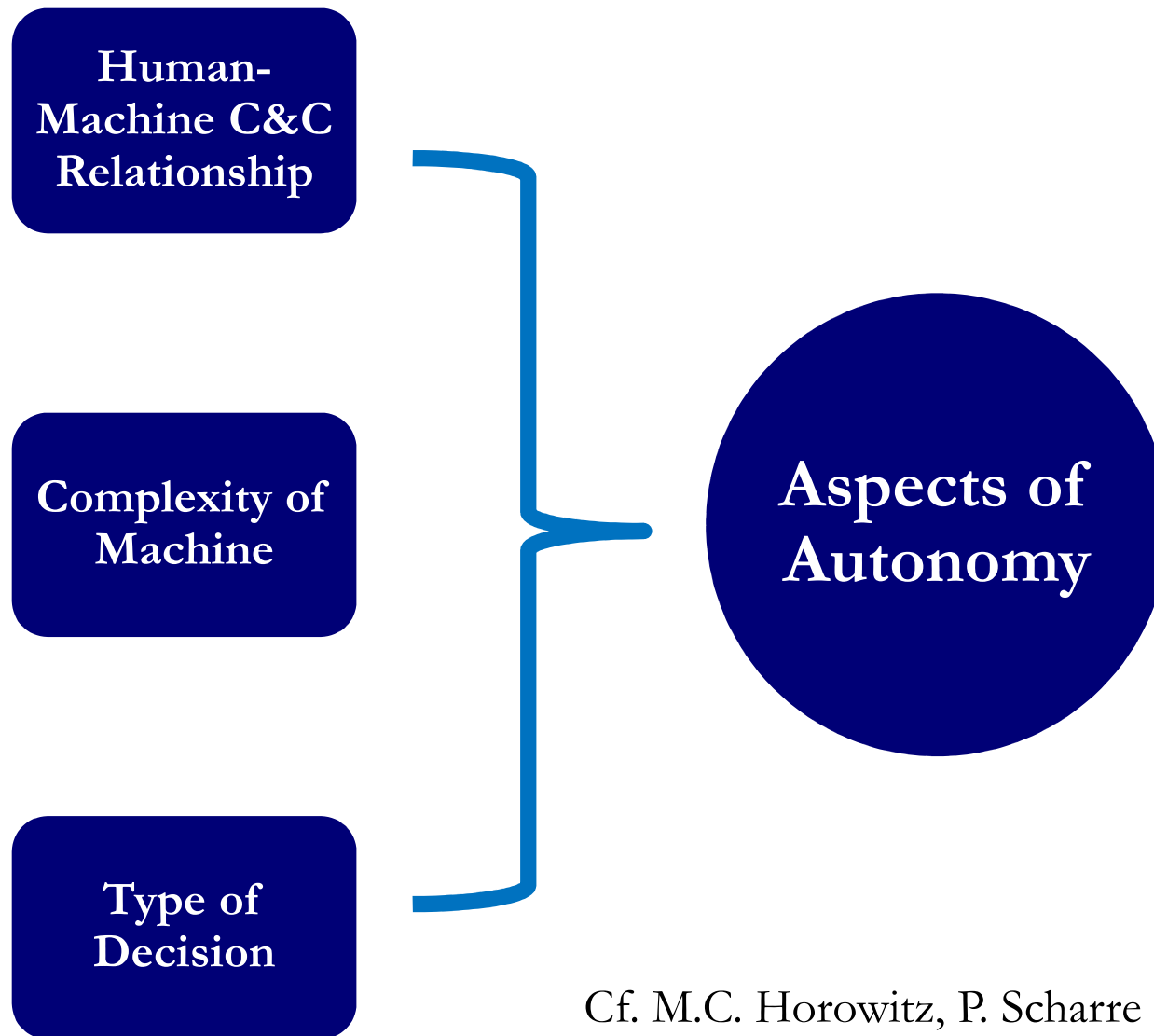
Qualitative Approaches

focused on autonomy or human supervision



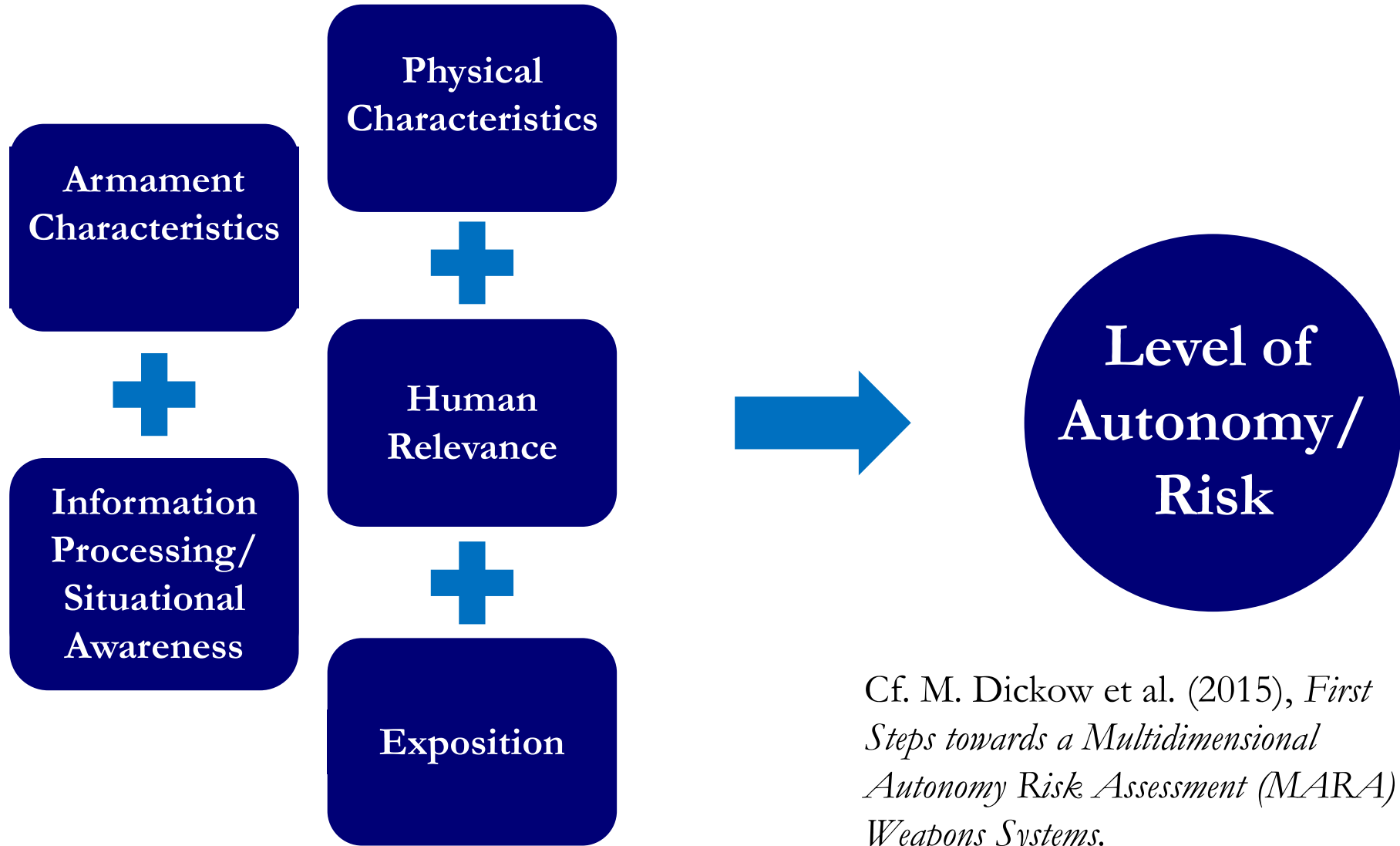
Autonomy /
Human
Supervision

Multi-Dimensional Approach



Cf. M.C. Horowitz, P. Scharre (2015),
*An Introduction to Autonomy in Weapons
Systems.*

Quantitative Indicator Based Approach: MARA

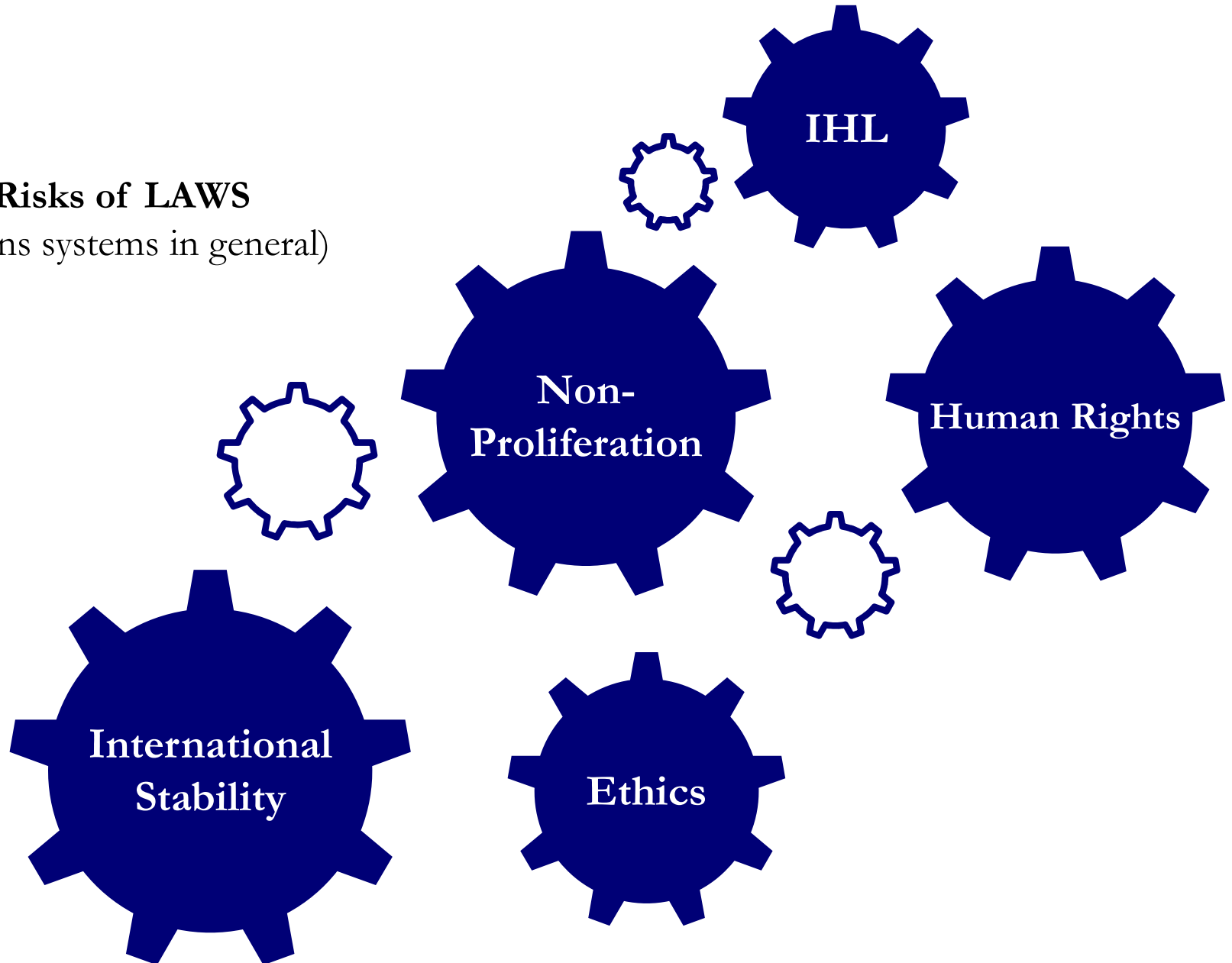


Indicator Based Approach MARA – Lessons Learned

- Choice of indicators
- Definition of risk

Indicator Based Approach - Lessons Learned

Perceived Risks of LAWS
(and weapons systems in general)



Indicator Based Approach MARA – Lessons Learned

- Choice of indicators
- Definition of risk
- Definition of scales: Inter-coder reliability

- Illustrates the complexity of the issue
- Can be “tailored” to a specific risk

Conclusion

The debate – and possible regulation – could benefit from a combination of qualitative approaches like meaningful human control and quantitative indicators as guidelines for the interpretation.



http://www.swp-berlin.org/fileadmin/contents/products/arbeitspapiere/FG03_WP05_2015_MARA.pdf

