

# Extended and Group Knowledge Seminar Series

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## Seminar 1: Epistemic and Cognitive Externalism

This first seminar will focus on the introduction of epistemic and cognitive externalism. Grasping the main ideas behind these currents of contemporary philosophy is key to understanding the concepts of extended and group knowledge. In the first half of this seminar we will focus on the distinction between epistemic internalism and externalism: Does knowledge and justification rely solely on what is internal to our conscious psychology? The second half will be dedicated on the distinction between cognitive internalism and externalism: Where does the mind stop and where does the external world begin?

### *Required readings:*

- Greco, J. (1999). Agent reliabilism. In James Tomberlin (Ed.), *Philosophical perspectives* 13: Epistemology. (pp. 273–296). Atascadero, CA: Ridgeview Press
- Clark, A., & Chalmers, D. (1998). The extended mind. *Analysis*, 58(1), 7–19.
- Palermos, S. O. (2014). Loops, constitution, and cognitive extension. *Cognitive systems research*, 27, 25-41.

### *Suggested readings:*

- Palermos, S. O. (manuscript). The Dynamics of Group Cognition.
- Theiner, G., Allen, C., & Goldstone, R. (2010). Recognizing group cognition. *Cognitive Systems Research*, 11(4), 378–395.

### *Further readings:*

- Goldman, Alvin and Beddor, Bob, Reliabilist Epistemology, *The Stanford Encyclopedia of Philosophy* (Winter 2015 Edition), Edward N. Zalta (ed.).
- Pappas, George, "Internalist vs. Externalist Conceptions of Epistemic Justification", *The Stanford Encyclopedia of Philosophy* (Fall 2014 Edition), Edward N. Zalta (ed.)

## Seminar 2: Extended and Group Knowledge

How should we think of extended and group knowledge? Drawing on the points raised in seminar 1, in this seminar we will focus on the combination of virtue reliabilism from contemporary epistemology with the hypothesis of extended and

distributed cognition from contemporary philosophy of mind. This will allow the introduction of a concept of epistemic responsibility and justification capable to accommodate all kinds of knowledge, independently of whether it has been produced intracranially or in an extended and socially extended (i.e., distributed) fashion.

*Required Readings:*

- Pritchard, D. (2010). Cognitive ability and the extended cognition thesis. *Synthese*, 175, 133–151.
- Palermos, S. O. (2014). Knowledge and cognitive integration. *Synthese*, 191(8), 1931-1951.
- Palermos, S. O. (2015). Active externalism, virtue reliabilism and scientific knowledge. *Synthese* 192, no. 9 (2015): 2955-2986.

*Suggested Readings:*

- Palermos, S. O. (manuscript). Group Knowledge: Virtue Reliabilism, Distributed Cognition and Strong Epistemic Anti-Individualism.
- Carter, J. A., Kallestrup, J., Palermos, S. O., & Pritchard, D. (2014). Varieties of externalism. *Philosophical Issues*, 24(1), 63-109.

*Further Readings:*

- Palermos, S. O., & Pritchard, D. (2013). Extended knowledge and social epistemology. *Social Epistemology Review and Reply Collective*, 2(8), 105-120.
- Palermos, S. O. & Pritchard, D. (forthcoming). 'The Distribution of Epistemic Agency. In *Social Epistemology and Epistemic Agency: Decentralizing Epistemic Agency*, (Ed.). Reider, (Rowman and Littlefield).

### **Seminar 3: Extended and Group Knowledge – Examples and Ramifications**

Having introduced the concepts of extended and group knowledge, this last seminar will focus on exploring concrete examples from everyday life, scientific practice, education and the Web. In the process, practical and ethical ramifications of extended and group knowledge will also be raised and discussed.

*Required readings:*

- Palermos, S. O., & Pritchard, D. H. (2015). 'To Google, or not to Google, During Exams?', *Education Technology*. [Available at <http://edtechnology.co.uk/Article/to-google-or-not-to-google-during-exams>].
- Carter, A. & Palermos, S. O. (manuscript). The Ethics of Extended Cognition: Is having your computer compromised a case of personal assault?

*Suggested Readings:*

- Palermos, S. O. (manuscript). Social Machines: A Philosophical Engineering.
- Carter, A., Clark, A. & Palermos, S. O. (manuscript). New Humans? Ethics, Trust and the Extended Mind

*Further Reading:*

- Sparrow, B., Liu, J., & Wegner, D. M. (2011). Google effects on memory: Cognitive consequences of having information at our fingertips. *Science*, 333(6043), 776-778.