

特別招待講演 (SL01)

— 第1日 9月12日(日) 13:00~15:00 —

4N 教室

Toward a Methodology of Formative Experiments.

形成的実験の方法をめざして

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講演者の紹介

Yrjö Engeström served as Director of the Laboratory of Comparative Human Cognition at UCSD from 1989 to 1995. From 1995 to 2000, Engeström served as Academy Professor, appointed by the Academy of Finland. Since 1995, he serves as Director of the Center for Activity Theory and Developmental Work Research at the University of Helsinki.

Engeström applies and develops the cultural-historical activity theory (CHAT), initiated by Vygotsky and Leont'ev, to studies of work activities and processes of learning and development associated with transformations in organizations and communities. His most well-known contribution to CHAT is the theory of expansive learning. Engeström's developmental work research (DWR) methodology uses interventions, such as the Change Laboratory and the Boundary Crossing Laboratory, to facilitate expansive learning and development in workplaces.

講演の内容

Human cognition and learning take place in increasingly complex, continuously changing activity settings which makes traditional well controlled experiments difficult and render their ecological validity questionable. To answer this challenge, there is a growing interest in so called design experiments (Brown, 1992) in psychology and education.

I will focus on four main features of such a methodology: (1) formative experiments as critical agency formation by means of the principle of dual stimulation, (2) formative experiments as multiple cycles of concept formation by means of the principle of ascending from the abstract to the concrete, (3) formative experiments as history making by means of bringing together generation of future-oriented visions and making of consequential decisions, and (4) formative experiments as rhythmic transitions between intensity and pauses by means of the principle of reflective withdrawal.

I will discuss these four features using data and findings from two longitudinal intervention studies we have recently carried out in Finland with the help of a toolkit called Change Laboratory. This first study concerns the formation of negotiated collaborative health care between multiple clinics and professional specialties in the city of Helsinki (Engeström, Engeström & Kerosuo, 2003); the second study concerns the transformation of professional work in a large commercial bank.

主な著書・論文

Yrjö Engeström (1987). *Learning by expanding: An activity-theoretical approach to developmental research*.

Helsinki: Orienta-Konsultit (1999. 山住勝広ほか訳『拡張による学習—活動理論からのアプローチ』新曜社).

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Yrjö Engeström (1996). *Cognition and communication at work* (edited with D. Middleton). Cambridge: Cambridge University Press.

Yrjö Engeström (1999). *Perspectives on activity theory* (edited with R. Miettinen and R-L.Punamäki). Cambridge: Cambridge University Press.

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Yrjö Engeström (in press). *Collaborative expertise: Expansive learning in medical work*. Cambridge: Cambridge University Press.