

Workshop:

Problem-Solving in a Carpentry Workshop: analysing multimodal forms of communication in vocational education

Trevor Marchand (University of London)

Following from the presentation, this workshop will explore methods for analysing multimodal forms of communication that take place between carpentry instructors and trainees. In working groups of 4-5 individuals, participants will review a pre-recorded video clip shot at the Building Crafts College. Each working group will collaboratively analyse the problem-solving processes that unfold between instructor and trainee at the workbench, including the ways that spoken language, gesture, activity, demonstration, drawing and the tools-to-hand are employed by either party to communicate and negotiate a way forward with the woodworking task. The core aim of the exercise is to develop effective methodologies for organising recorded data and analysing the dynamics of vocational teaching and learning styles. Working groups will briefly present their analytical methods and findings, and the workshop will conclude with a collective discussion on the potentials and limitations of using video for studying problem-solving strategies and teaching-learning styles in workshop settings.