New measures for an old friend: A learning progression for ICT literacy

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Workshop

This workshop will present new thinking and new results from the work of the Assessment and Teaching of 21st-Century Skills (ATC21S) project, on the learning progression for information and communications technology literacy — learning in digital networks. This project, initially sponsored by Cisco, Intel and Microsoft, aimed to help educators around the world enable students with the skills to succeed in future career and college goals. The workshop will be structured to show how the development of the new ideas and measures for ICT literacy followed the logic of the assessment system developed by the Berkeley Evaluation and Assessment Research (BEAR) Center. The initial concepts behind the new measures are based on a recounting of the multiple changes in the conceptions of ICT literacy over the last 30 years, leading to the development of the new ICT literacy learning progression. This is followed by a discussion of the development of a set of interactive and group tasks that tap into the dimensions and levels of the learning progression, in the context of a web-based environment. A brief demonstration of two of the tasks will be a part of the workshop. Data were collected in this digital environment in four countries: Australia, Finland, Singapore and the United States, and these data will be used to explore the empirical underpinnings of the tasks and the learning progression. Ample opportunity for questions and discussion will be provided.