# Many Cheerful Facts

Organizers: Michael Pejic & Damien Mondragon

Tuesday, 2:10-3:00 pm, 939 Evans

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Sep. 29    **Michael Pejic**, UC Berkeley
*When Is a Garbling Better for all Users? Blackwell's Comparison of Experiments Theorem*

The name of UC Berkeley Professor Emeritus David Blackwell is attached to many illustrious theorems in the field of statistics, one of which is his Comparison of Experiments theorem, proposed in 1951, on the equivalence of *sufficient* and *more informative* experiments. This theorem was recast in the economic language of information systems and *garbling* by J. Marschak and K. Miyasawa. Employing this language and notation, I will discuss an extension of Blackwell's result from systems with a finite number of states to those with uncountably many.