

## **abstract**

COMPUTER SCIENCE/DISCRETE MATH I

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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We uncover the structure of those languages that have bounded (by a constant)  $k$ -party communication complexity in the input on the forehead model, no matter how we partition the input bits into  $k$  disjoint sets. This generalizes an earlier result of S. which solves the same problem for  $k=2$ . The new result shows that the case of  $k=3$  or larger is significantly more complex than the case of  $k=2$ . The work is joint with A. Chattopadhyay, M. Koucky, A. Krebs, P.Tesson, and D. Therien.