SZEMINÁRIUM

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Capacity regions of partly asynchronous multiple access channels

címmel tart előadást.

Az előadás helye: ELTE lágymányosi campus, déli épület (1117 Budapest, Pázmány Péter s.1/A), 3-316.

Kivonat:

Multiple access channels (MACs) describe the situation when many senders send messages to one receiver simultaneously. MACs are most frequently studied under the assumption that the senders cannot communicate with each other but are able to maintain frame synchronism. An asynchronous MAC (AMAC) arises when this assumption fails, causing unknown delays between the starting times of the codewords of the different senders. Here a single letter characterization is given for the capacity region of discrete memoryless partly asynchronous multiple access channels (PAMACs). These are AMACs with the senders divided into groups, the senders belonging to the same group are synchronized but the groups are not synchronized with each other. The talk is based on joint work with Lóránt Farkas.