

Delay Tolerant Networking using spatially detailed human mobility patterns

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We are conducting a human network proximity experiment with detailed recordings of the position of individuals. Our aim is to provide a comprehensive dataset to investigate the internal correlations between mobility and social network properties, as well as to compare our results with different datasets, involving different social groups or mobile agents. As a further result, we expect the capability to formulate a model able to evaluate the relative importance of location and network centrality for efficient delay tolerant networks, with the added benefit of being able to synthesise realistic trace data for simulation.