

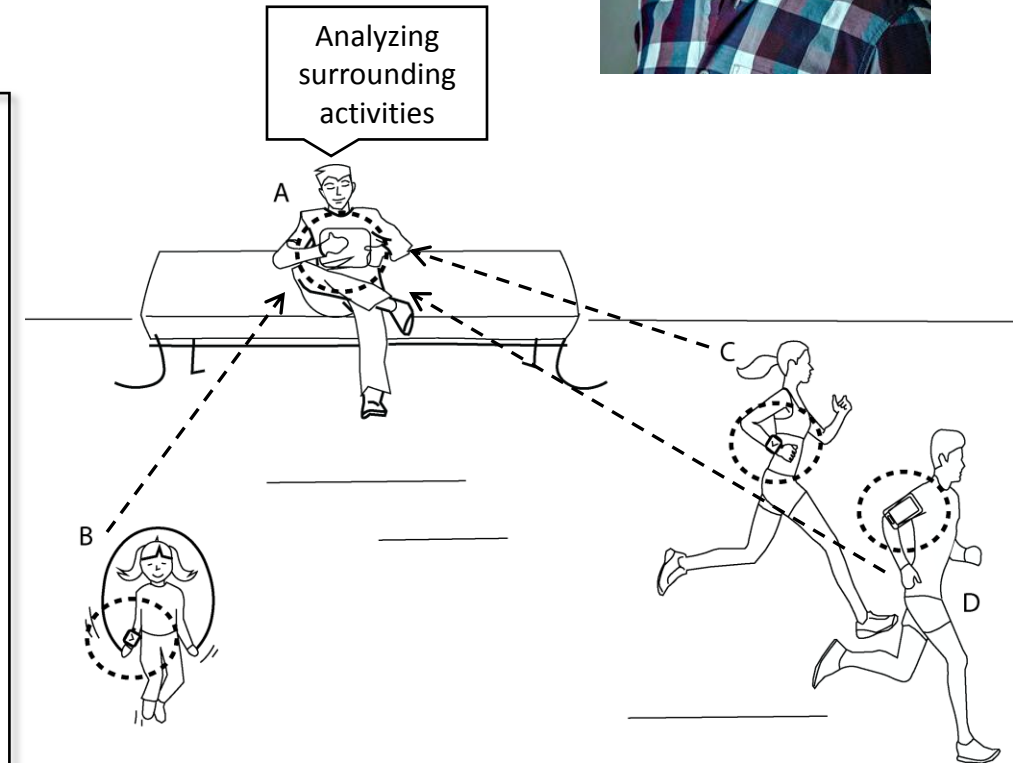
MULTISENSE: Opportunistic Device to Device Communications for Mobile Sensing

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The **MULTISENSE project** addresses foundational research challenges in expanding the scope of sensing from an egocentric view to a *collaborative, multi-device view*. MULTISENSE focuses on challenges related to:

- (1) **Adaptive sensor sampling** to ensure that just relevant information is captured and shared between devices.
- (2) **Proximity patterns of co-located interactions** as human mobility patterns result in dynamic co-location of devices.
- (3) **Collaborative multi-device computing** to accelerate the processing of complex sensor data with collaborative computing of devices, instead of sending to remote cloud services.



Multi-device sensing increases our understanding about interactions between people in daily live activities