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Communication Chain in the Internet of Things with Spread-out Electronic Device System Abstraction

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Abstract:

Communication is the act of transferring information between entities. Existing architectural communication approaches provide solutions for data transfer from the sender to the receiver. While those solutions are targeting different domains, we can find a lot of similarities in their architectures. In this paper, we follow the interpersonal communication process principles with its communication components for defining a whole communication chain that combines the sensor actuator and data transfer items in one concept, pointing to the person to person and device to device communication similarities. We come with an approach of a methodology for the Internet of Things abstracted by the Spread-out Electronic Device concept. We consider the whole IoT as a single electronic device with cut-out and broken wires and replaced with communication chains.

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