Auto-Pay through
Intelligent Parking
Meters   — Sinan Ulkuatam
— Reviewed By: DJ Anderson

1) This paper addresses the problem of parking tickets since many people don't leave enough money in the meter, and they have to end up paying a huge ticket. It's important because no one wants to spend more money than they have to, especially on something as unnecessary as a parking ticket. Everyone who owns a car and drives would care about finding a solution since they're the ones who have to pay to park at meters.

2) This paper attempts to address the use of blockchaining, cryptocurrency, and proximity sensors in order to have the car "pay for itself" in a sense.

3) The hypothesis is that smart meters and autopay systems can make paying for parking much more user-friendly and less stressful. More and more people are using electronic methods of payment, so using coins to pay for parking is a thing of the past.

4) This paper mentions a related work, ParkByte, that is very similar to this device. Why don't you think ParkByte has been widely adopted by drivers? Give more information about ParkByte, and explain how you're system is different because they almost sound exactly the same.

5) This device definitely seems plausible for addressing the issue of paying for parking and parking tickets. The scope is reasonable for a semester-long project.

6) Yes, it's certainly related to IoT and our class discussions.

7) – a chart comparing how much a given parking meter collects on a given day vs. how much your system would collect
   – a chart that shows the detection rate that the system is able to link the car to the meter
   – data from another source that shows about how much people overpay for parking and compare that with your system since yours charges a precisely correct amount depending on time spent parked

8) Strengths –
   – I like the idea. I think it has the potential to be very impactful.
   – Based on related work, it's a very plausible idea that doesn't seem to be "out there."

9) – What exactly is blockchain?   – Cite sources from ParkByte.
   – What technologies do you plan on using to determine proximity from car to meter?
   – At what point would the car begin to pay? When it's turned off?
   – How is your system different from ParkByte?

– analyze smartpass / ez pass systems
– auto-pay entrance
– bike rack, museum, amusement parks (express lane)
– communal toolsheds
– concerts ou carts?