Research paper " Modern Innovations In Many Fields "

By : *Andrew Magdy Attia*

4th course student - Civil dep. - Engineering Faculty -

Matarya brunch Helwan University - Cairo - Egypt

TEL+201283279271 / E-mail : andrewmagdy3888@gmail.com

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Abstract :

3 New innovations in fields *(Robotics / Energy / Embedded systems)*

we may suffer from many problems in our society and this are an iteration to find a solution for them .

my 3 problems and topics are :

1- How to make disabled people move themselves by themselves ?

2- How to make a usage for lamppost for environment ?

3- How to reduce car and pedestrian accidents ?

A - Introduction :

1- It is all about how to make a remote control to a chair for disabled people because it is very hard to push the ordinary chair for a long time and to use a renewable power source and an easy remote device .

2- Here I'm talking about environmental pollution and how to recycle air pollution to a power source for lamppost and save electricity .

3- Nowadays mobile and chatting are a big part of our daily life and many accidents happen because of paying attention to mobile more than crossing a highway road full of cars .

B - Methodology :

1- Disabled Solar Chair



The renewable energy is the world direction nowadays so I used the Solar energy to power my chair and I used the Mobile phone as a remote controller for my chair via Bluetooth .

I also used ARDUINO as my system controller because it is an open source for software and hardware .

I have a prototype for my invention and I can make a live show for its function.

2- Smart Lamppost



The problem here is car exhaust which is full of Carbon and impulsive hot air . That damage the environment and increase global warming .

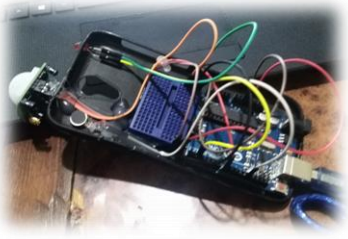
So I designed a new lamppost the car exhaust can pass through its base then to the shaft which diameter is decreasing along length so the speed of air will increase then pass through a wind turbine to generate electric current can light the lamp of the lamppost .

I also added a button to call police and another one to call ambulance for emergency and a carbon filter at the head and a solar panel .

I have a prototype for my invention and I can make a live show for its function.

Andrew Magdy Attia
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3- No crush mobile phone sensor



It is an alarm for a person who is passing through a highway and using his mobile phone . It give him an alarm when he is near by a speeding car to pay attention to it so the accident will not happen .

I used PIR sensor to detect any moving body and ARDUINO as my system controller because it is an open source for software and hardware .

I have a prototype for my invention and I can make a live show for its function.

Author Biography :

- Under graduate - Civil department - Engineering Faculty - Matarya brunch Helwan University - Cairo - Egypt (2014-2019)



Andrew Magdy Attia

- **Date of birth : 8th. May 1996**
- **Gerund : Male**
- **Marital Status : Single**
- **Nationality : Egyptian**

Email: andrewmagdy3888@gmail.com
Telephone: +20 128 327 9271
facebook : https://www.facebook.com/andrew.magdy.98
LinkedIn : https://www.linkedin.com/in/andrew-magdy-b6985b164
CV:
https://drive.google.com/open?id=136FVC3AfEFjArYwmJQ_92G9Jo7cRMqNe
Paper Search :
https://drive.google.com/open?id=1jm_V51LIR37BA7pYi3N19ihtUPdnAuzn