

2013 Award, Spain

KickScooter : Self-propelling Scooter

by Raul y Jesus Juanatey Cores



Theme

Smart Sports

Many studies have shown the close relationship that exists between physical exercise and increased life expectancy. The same conclusion applies to education. Practicing a sport requires perseverance, technique and strategy, and these elements are also necessary in professional as well as academic settings. Sports also gather people with different cultures and from different backgrounds.

Although the scope of the award was extensive and open to all aspects of sports, the Foundation suggested a list of sectors and categories, provided as a guide, to give candidates an idea of potentially suitable projects for the award (e.g. safety, health, improving performance, sports education and learning).

Laureate

KickScooter : Self-propelling Scooter

A scooter equipped with a system helping your auto propulsion was chosen as the Spanish laureate of the Altran Foundation for Innovation Award.

In a standard KickScooter, the user advances by kicking back on the ground, therefore he is forced to hobble in order to hit the ground, and the KickScooter only advances at the same speed as he kicks the ground. In the proposed KickScooter, the user would kick an auxiliary wheel located at the rear area of the scooter, connected to the rear wheel by a gear mechanism.

The result makes the action more efficient and handy, with the movements or positions you would have while walking. You would also have the agility, compatibility and ease of a scooter while having the advantages of a bike. The differences between the diameters of the gears, the rear wheel and the auxiliary drive wheel will produce a multiplication of the speed of the scooter with respect to the speed of the user's feet.

Jury

Juan Antonio Corbalán

Director of the Instituto de Rehabilitación Funcional y CC Aplicadas al Deporte La Salle (The Institute for Functional Rehabilitation and Applied Sport Science at La Salle University) and former professional basketball player with the Real Madrid Basketball Club

Juan María Vázquez Rojas

Director General for Scientific and Technical Research at the Ministerio de Economía y Competitividad (Ministry of Economy and Competitiveness)

Hermenegildo Baylos

Engineer and Technical Director at the Real Federación Española de Automovilismo (Royal Spanish Automotive Federation)

Natalia Ayala

Board Member for the Asociación Española de Periodistas Deportivos (Spanish Association of Sports Journalists) and journalist for Radio Nacional de España (RNE) (Spanish National Radio)

Pedro J. Benito Peinado

Vice Dean for the Facultad de Ciencias de La Actividad Física y del Deporte (INEF) (Faculty of Physical Activity and Sports Sciences)

Finalists

DEPORTE EN LA CALLE

Francisco Vargas Salazar

It consists of physical activity in an urban circuit created for that purpose. These circuits take advantage of urban green spaces around the city and encourages the use of bio-solvable equipments. The objectives of the project are threefold:

- **Free:** each user decides on the basis of a plan drawn up on the activities or exercises you can do
- **Directed:** users are accompanied by professional physical activity
- **Online:** training programs are regularly posted on the municipal website

EASYSPOORT

Seila Jimenez, Silvia Chiclana, Natalia Orive, Isabel García

How often have we stopped practicing sports for not having a place or someone with whom we could do it?

This project proposes the creation of a website and a mobile application that serves as a meeting point for anyone wishing to play sports, whatever they need, by simply putting the user in touch with others, to define and organise sports activities as desired. The project does not differentiate adapted sports from the usual sports, thus promoting the equal participation of all users regardless of their physical condition.

Plataforma de Planificación Deportiva Urbana (P.P.D.U.)

José Luis Parrondo Pons

The objective of this project is to create a web platform that allows public authorities - collaboratively - neighborhood associations, educational and sports institutions, district boards, athletes, etc., to know and give out, as completely and comprehensively possible, the situation of the city in sport and establish what improvements are desirable and feasible to implement in this regard. It is about creating an analytical planning tool that allows involving the whole society in decision making processes related to the promotion of sport in urban areas.

Smart Sneaker

Manuel Angel Ruiz

Digital screen adaptation of sneakers, for information on race times, distance, speed, stopwatch, steps walked, etc. Technologically speaking, it can be said that with the latest technology to be known, data that can interest us, not only on time, distance, etc., but also about ourselves, on heart rate, calories, amount of perspiration, etc. could be collected. Thus being an intelligent shoe, which will only have its limitations in our imagination, it could have endless adaptation.