

The Open Educational Resources (OER) use with D2D Mobile Technology Application



UNESCO Chair «Distance Education in Engineering»

**Saint Petersburg State University
of Aerospace Instrumentation**

"Device to device» (D2D) communication technology is based on the use of a standard wireless protocol that allows mobile devices (smart phones, tablets, personal computers) to communicate directly with each other, bypassing the routing used by the base station and the access point.

D2D communication technology allows to

- reduce the latency of communication between wireless network subscribers,
- increase the data transfer speed
- reduce power consumption

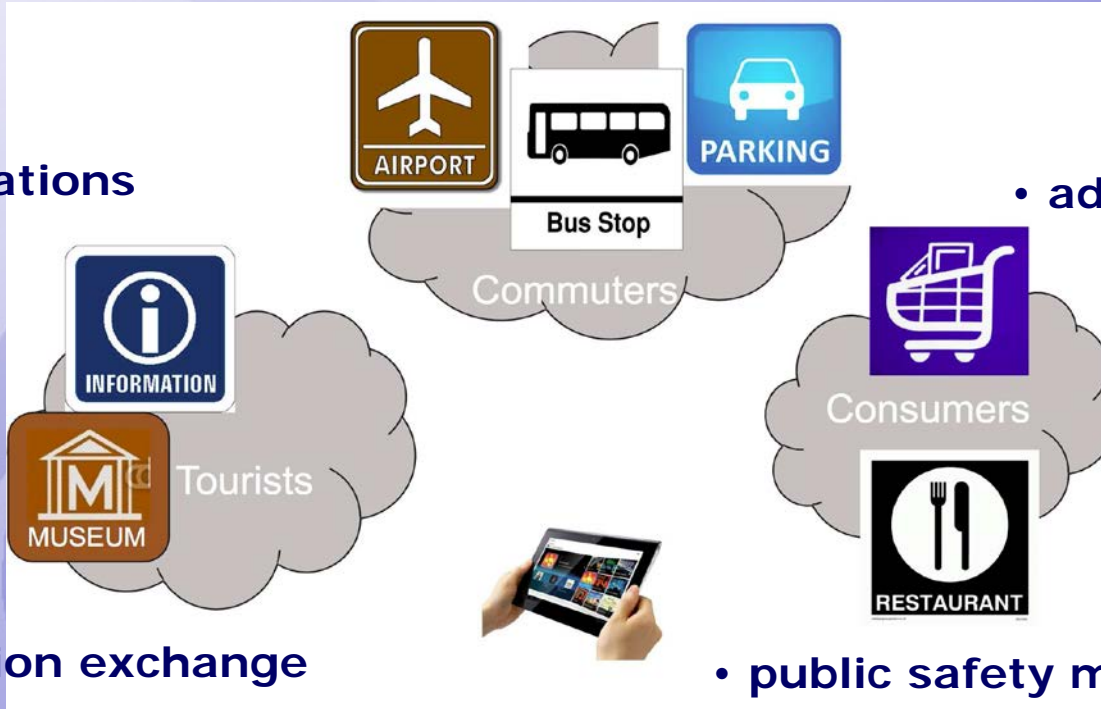


The technology can be used in case of wireless mobile devices detection in the availability area and is used for

- smart communication between vehicles

- social applications

- advertising

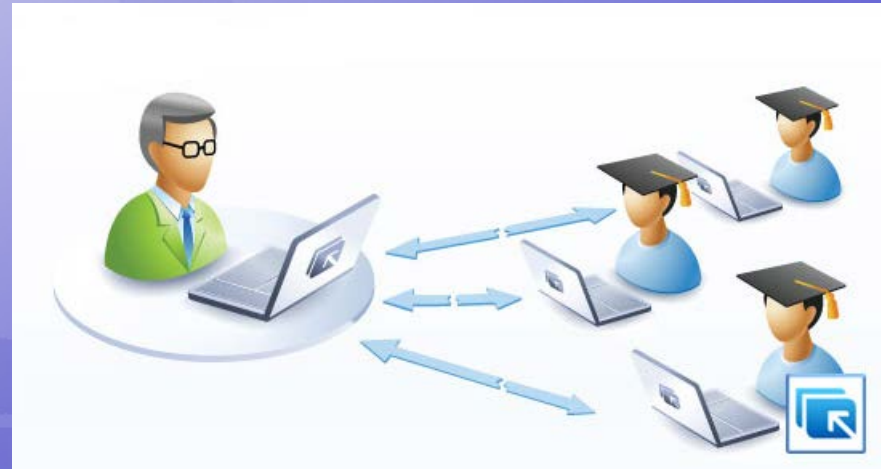
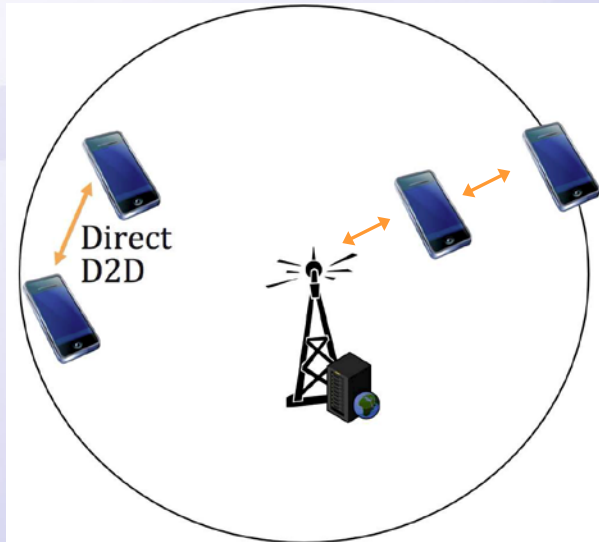


- local information exchange

- public safety maintenance

D2D technology application in the educational process

USE CASE 1: Classroom



USE CASE 2: Practical lessons outside the classroom





USE CASE 3: Classes in transport

USE CASE 4: Working with a licensed product



At the present time development of mobile educational applications with the capabilities of rapidly developing new technologies is one of the topical issues.

D2D technology application allows us to find solution for the following tasks:

- **Internet content to be used during the learning process control,**
- **Information access providing in the conditions of access point absence and mobile devices availability,**
- **Effective and rapid educational material distribution among the participants of the educational process ensuring,**
- **Interactive educational environment creation.**

- June 2014 – XV International Forum «Modern information society formation - problems, perspectives, innovation approaches» - **UNESCO IITE and UNITWIN/UNESCO Chairs International Conference**





Upcoming activities 2015



**International Conference of the UNESCO IITE and UNESCO
Chairs "UNESCO Chairs Partnership on ICTs Use in Education"**

in the frame of the XVI International Forum

"Modern Information Society Formation:

Problems, Perspectives, Innovation Approaches"

May 31 - June 4, 2015

Saint Petersburg, Russia



Saint-Petersburg, Russia

unesco@guap.ru