At droidcon Turin, JoinPad presents Arrakis: the first SDK designed for interaction designers

New functions allowing to manage the features of the Moverio smartglasses and special attention to facilitating the work of designers of Augmented Reality applications.

Milan, 2nd april 2015 – JoinPad (www.joinpad.net), the Italian company specialized in the development of solutions for Augmented Reality (AR) for the industrial world, will present on the next droidcon of Turin (April 9 and 10) Arrakis, code name of the first version of JoinPad's SDK for Moverio, its new software development kit for creating applications based on Epson Moverio smartglasses. The presentation will take place on the afternoon of April 9, with a workshop entitled "The Augmented Reality Experience On Smart Glasses".

The new development kit will have many useful features to build applications that leverage on the characteristics of the Moverio, especially to simplify the work of interaction designers and developers, to design interfaces that optimize the usability of applications, making the smartglasses suitable to end-users.

Among the innovative features of the SDK JoinPad are: stereoscopic viewing of 2D and 3D objects and Androids native look and feel as well as animations also on the perspective plane; geolocation of virtual objects; positioning of labels in AR (2D and 3D) within the user interfaces; filters for distance and category on the AR elements and hands free interactions with AR objects.

"The interaction designers - explains Mauro Rubin, president of JoinPad - are the ones able to make application easy to use, simple and functional that otherwise would be complex, cumbersome or difficult to use. It is for this reason that we have created this SDK: we want to help them to design independently, allowing them to identify the real needs and to define the requirements that the application must have to be usable for the users. In addition, to encourage its widespread, we decided that in this first phase of the launch it will be downloadable for free from our website.

Arrakis: all the tools to position the right things at the right place

The SDK by JoinPad will be a useful tool for all developers and interaction designers who want to approach the world of smartglasses, with which it will be easy to create new applications for both the industrial world as well as for gaming.

One feature of Arrakis is unique in the SDK for Moverio landscape: its stereoscopic vision in 2D and 3D and Androids native look and feel (buttons, tables, objects), which will allow the wearer to have a complete view of the environment surrounding him, taking advantage of Epson uniqueness of being binocular glasses creating new ways of interaction by placing objects in specific perspective planes. Combined with the geolocation

function allowing to recognize based on the position of the user the coordinates associated with an object it will allow to e.g. obtain varios information or data e.g. of a mountain or a monument (e.g. of height, position, history, contained art pieces as shown in th images) simply by looking at it.
Another important function is the positioning of correlated information in AR inside the user interface that allow to detect and contiously follow objects in the visual field in harmony with surrounding environment. The user will be able to select these elements with dedicated functions and filters for distance or category. The hands free interaction with AR elements allows to select any object simply by looking at it and offers developers the possibility to manage the interaction in a very basic way.

The droidcon: in Turin on 9-10 April, the spring meeting for all Android developers
The large event dedicated to Android will welcome not only developers and experts in the Android world, but also many curious individuals who want to be the first to touch with hands the novelties of the green robot. The focus of the conference will surely be the latest Android version Lollipop both in the standard version for smartphones, as well as for weareable devices, which are rapidly taking place in the everyday life.

The link for registration to the event is https://droidconit2015.eventbrite.it/?discount=droidcon-joinpad
The partnership with JoinPad offers the benefit of a discount of 50% for the registration cost.

"At the Lingotto Conference Centre, we expect more than 500 participants - says Francesco Brocero of Synesthesia, the organizer of droidcon - with 60 talks by Android experts from around the world and a series of workshops dedicated to all the hottest topics."

JoinPad (www.joinpad.net)
JoinPad is active since 2010 in the field of industrial applications. The company develops and distributes solutions and consultancies targeted at simplifying business processes supplying customers innovative instruments to interact with the industrial environment. In 2011 JoinPad presented in Las Vegas (USA) the world's first a wearable augmented reality solution based on smart glasses making use of machine vision algorithms for industrial diagnostics and maintenance processes. In 2013 SR LABS, leader in the field of eye tracking integration, entered the company as shareholder, creating one of the most important companies focused on computer vision. The unification of the two companies has allowed to further strengthen global partnerships with companies focused on last generation wearable devices, allowing Joinpad to supply highly competitive products and services based on the latest technologies.

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