



# IMaR Technology Gateway

INTELLIGENT MECHATRONICS AND RFID

## Inside this Issue

In this Issue of the IMaR newsletter you will learn more about IMaR in Horizon 2020, a series of local and national events and news.

## European News

Learn about Horizon 2020 and the knowledge areas IMaR is engaging in.



## Web Summit 2014

Who has been speaking about IMaR at the web summit 2014.

## RFID in Europe

Learn about the RFID in Europe general assembly 2014



## Who is IMaR

IMaR provides an open access point to industry for the provision of innovative applied research and technical expertise nationally and internationally. Research and development at IMaR focuses on the strategic integration of both hardware and software (Mechatronics, RFID, Internet of Things (IoT) and Sensor Technologies) in the form of intelligent systems development. IMaR is part of a nationwide network of 12 Technology Gateways core funded by Enterprise Ireland. Their role is to deliver technology solutions for industrial partners for close to market industry needs. The IMaR Technology Gateway serves a diverse cross section of industries including automotive, telecommunications, pharmaceutical, production/manufacturing, aeronautical, environmental and agri-business. IMaR specialises in the implementation of automatic identification technologies such as RFID equipped to deliver supply chain/logistical efficiencies. IMaR also exploits the use of smart Mechatronics via precision instrumentation and automation conditioning to enhance process automation, reduce lead times and increase validation processes across Irelands Manufacturing base.

## European News

What is Horizon 2020:  
H2020 is the biggest EU Research and Innovation programme ever with nearly €80



billion of funding available over 7 years (2014 to 2020) – in addition to the private investment that this money will attract. It promises more breakthroughs, discoveries and world-firsts by taking great ideas from the lab to the

market. More information available at: <http://ec.europa.eu/programmes/horizon2020/en/what-horizon-2020>

## IMaR and H2020:

### Propat

IMaR is delighted to announce its successful award of a new Horizon 2020 award under the SPIRE Programme. Titled “Propat - Integrated Process Control”.



Propat is a joint effort of 16 partners across 9 European partner countries. ProPAT aims to develop novel sensors and analysers for providing measurements on composition, particle size and local bulk properties, as well as more traditional but smart sensors for measuring other process parameters, such as temperature, flowrate, pressure etc. These sensors will then be integrated into a versatile global control platform for data acquisition, data processing & mining and User Interface in order to measure properties of process streams and products, accurately and in real-time. The platform also provides selflearning and predictive capabilities aimed for dramatically reducing overcosts derived from even slight deviations from the optimum process.



More information is available at: <http://propat.eu/>

### Freshbox

IMaR is pleased to announce its involvement in a European Union's LIFE+ programme titled Freshbox. Fresh



box is a joint effort of 5 partners across 3 European partner countries. It aims to “improve the sustainability of the distribution of fresh produce to create a more competitive sector that can offer better products to the final consumer.” It will do this by designing, developing and integrating a specialised sensor kit to monitor the environmental conditions within food transport containers which are then set against freshness indicator. In a commercial setting The Fresh Box container will help to address critical food security issues.



More information is available at: <http://freshbox.info/en/>

## Web Summit 2014

Standard Access, a Kerry based start up is now in the process of launching product onto the European, US and Russian markets in 2015.

Standard Access specialises in the acquisition, disposal and leasing of commercial real estate investments in Ireland and the UK. It is currently in the process of developing a uniquely combined hardware / software based electronic lock system accessible via smartphone and/or tablet, integrated with a client management platform to facilitate secure building access from anywhere in the globe. This system is designed to be deployed across both commercial and residential property markets. (<http://businessetc.thejournal.ie/irish-startups-web-summit-1768051-Nov2014/>)

More details: <http://www.standardaccess.co/>

## RFID in Europe 2014

RFID in Europe AISBL is a not-for-profit organization established with the principle goal to promote the adoption of Radio Frequency Identification and related Internet of Things technology solutions enabling small and medium sized organizations throughout Europe to gain competitive advantage through their best use. It connects the complete stakeholder axis from technology developers right through to end users across Europe.

The RFID in Europe Management board held its general assembly on October 6 th 2014 at a co-located event with CNRFID at the Pullman Hotel and resort, Marseilles, France. Dr Pat Doody of the IMaR, RFID and Internet of

Things director was elected Chairman of the Management board at this event.

More details: <http://www.rfidineurope.eu/>

## IMaR Research Community

IMaR actively engages with a number of companies both locally and nationally some of which include

