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SDRplay Announces Radio Communications Teaching Course

Alton, England; 5th November 2020 - SDRplay Limited announces a new Radio Communications course for undergraduate teaching as part of its SDRplay Educators Programme.

“Understanding Radio Communications” enables students to grasp the key elements of radio communications. This one semester course provides teaching materials and practical workshops that lead students from the first switch-on of a Software Defined Radio (SDR), through to signal reception, demodulation, and finally, successful communications with satellite signals.

As well as guides and set-up instructions for the teachers, for both the lecture and lab sessions, there are downloadable teaching materials in both PowerPoint and .pdf formats. These are supported by video guides showing the lab activities and a dedicated new forum for teachers to share experience and get assistance from the authors.

The course was created in association with academic partners La Sapienza University of Rome, Department of Mechanical and Aerospace Engineering, whose intention is to create a practical course that will inspire Science, Technology and Engineering students to grow their understanding of radio communications.

The course started life as a 12-hour optional course for third-year bachelor students in Aerospace Engineering and has been broadened to make it suitable for all students that have some basic knowledge of signal theory and signal processing. It can be run either as an additional or optional module, or adapted to be included within a full year radio communications subject.

Robert Owen, University Programme Consultant at Essaimage Associates who guided the academic team, says, “I have spent 26 years in global “University Programmes” and across this time I’ve learned two fundamental principles. The first is that teaching materials must fill an essential need in the curriculum, not just be something that business thinks should be taught. And secondly, that the best teaching materials come from academics not commercial trainers. This course, Understanding Radio Communications, fulfils these principles generously, and I am proud to be associated with it!”

Key dates:

- **Materials available: 5th November 2020, 0800 UTC** – Course materials available for request here: www.sdrplay.com/UnderstandingRadio/
- **Webinar: 19th November 2020, 1300 UTC** – SDRplay Experts with Course Developers Lorenzo Frezza and Paolo Marzioli from La Sapienza, will host a webinar presenting the course and taking questions via YouTube chat.

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About the SDRplay Educators Program:

The SDRplay Educators Program provides practical encouragement to teachers around the world to use SDRplay’s receivers in courses and student projects. The focus is on providing the key elements needed to teach a course: a suitable hardware platform at a reasonable price, ready access to SDRplay software, effective technical support, and excellent

teaching materials that serve genuine teaching needs. The SDRplay Educators Programme is open to all members of academia: www.sdrplay.com/educators/

About SDRplay:

SDRplay limited is a UK company run by a small group of enthusiastic engineers who love creating affordable SDR receivers with best-in-class software for the growing hobbyist, industrial, educational and scientific communities. SDRplay announced its first product, the RSP1 in August 2014, and now sells SDR receivers in more than 60 countries globally.

Visit SDRplay at <https://www.sdrplay.com/>

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