

### **Digital X-ray system with wireless detector enters the classroom**

**Portsmouth University is first UK education establishment to install the Ysio Wi-D**

The School of Health Sciences and Social Work at Portsmouth University is now teaching advanced radiography and imaging theory incorporating image manipulation and diagnostics following the installation of the Ysio Wi-D™ general Digital Radiography (DR) system from Siemens Healthcare.

The system is being used to demonstrate radiography techniques practised in UK hospitals to radiography students and was selected due to its advanced digital imaging capabilities, user friendly interface and future proof design. Visual demonstrations across a range of subjects including image manipulation techniques for scenarios such as leg fracture examinations are enabling students to gain greater knowledge across the radiography and imaging spectrum.

“We are not just preparing students for the first day of their radiography careers, but for their initial years in practice. This system is an example of the direction in which X-ray is moving; it has advanced digital capabilities, a sensible user interface and the flexibility to provide a patient orientated service,” states Derek Adrian-Harris, Head of Department at Portsmouth University. “It has opened the door to new ways of teaching and we have only scratched the surface of its capabilities. We now lecture and demonstrate a broader range of subjects in more depth, such as contrast density resolution, pattern recognition, feature extraction, lesion identification and pathology techniques, enabling students to gain a better understanding of radiography and imaging as a whole.”

Lecturers have identified synergies between the system’s strengths in a teaching environment and in a clinical setting. The Ysio Wi-D’s straightforward user interface reduces the input required by lecturers

to produce an image, enabling them to focus on their students, just as a radiographer would their patients.

“These systems are being embraced by hospitals across the UK and it is important that students are being taught on equipment that realistically reflects the technology used in a clinical setting,” states Jane Schwieso, Regional Sales Manager at Siemens Healthcare. “The students at Portsmouth University will be prepared to use the Ysio Wi-D in practice and we are delighted that Siemens technology is enhancing the education of the next generation of medical professionals.”

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### **About Siemens Healthcare**

The **Siemens Healthcare Sector** is one of the world’s largest suppliers to the healthcare industry. The company is a renowned medical solutions provider with core competence and innovative strength in diagnostic and therapeutic technologies as well as in knowledge engineering, including information technology and system integration. With its laboratory diagnostics acquisitions, Siemens Healthcare is the first integrated healthcare company, bringing together imaging and lab diagnostics, therapy and healthcare information technology solutions, supplemented by consulting and support services. Siemens Healthcare delivers solutions across the entire continuum of care – from prevention and early detection, to diagnosis, therapy and care. Additionally, Siemens Healthcare is the global market leader in innovative hearing instruments. The company employs more than 49,000 people worldwide and operates in 130 countries. In the fiscal year 2008 (Sept. 30), Siemens Healthcare reported sales of €11.2 billion, orders of €11.8 billion, and Sector profit of €1.2 billion. Further information can be found by visiting <http://www.siemens.co.uk/healthcare>.

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**Picture caption:** The Ysio Wi-D from Siemens Healthcare features a portable wireless detector that is being used by radiography students at Portsmouth University to explore new imaging methods.

