

Rigaku Presents Latest X-ray Diffraction Instrumentation at EPDIC16

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Rigaku is a Gold Sponsor of the 16th European Powder Diffraction Conference (EPDIC16), being held in Edinburgh from 1st - 4th July 2018.

July 2, 2016 –Edinburgh, Scotland. [Rigaku Corporation](#) is pleased to announce its attendance at The 16th European Powder Diffraction Conference ([EPDIC16](#)) taking place at the [John McIntyre Conference Centre](#), Edinburgh University.

Established in 1991, EPDIC is a biennial conference that brings together scientists and instrumentation companies to study the latest trends and challenges in powder diffraction, and to discuss progress in academic and industrial research.

The event is dedicated to all aspects of the analysis of polycrystalline materials by diffraction methods. The conference highlights the latest developments in powder diffraction including methodology, data analysis and instrumental advances.

Rigaku - a global leader in X-ray analytical instrumentation - is an exhibitor and *Gold Sponsor* of the event. Featured at the exhibition is the *new* next-generation [Rigaku SmartLab](#) intelligent multipurpose X-ray diffractometer.



**New Rigaku SmartLab intelligent
multipurpose X-ray diffractometer**

The new SmartLab system is a multi-purpose diffractometer with [SAXS](#) and in-plane capabilities. It features the brand new PhotonMax high-flux 9 kW rotating anode X-ray source coupled with a [Rigaku HyPix-3000](#) high-energy-resolution 2D multidimensional semiconductor detector that supports 0D, 1D and 2D measurement modes. The system incorporates a high-resolution θ/θ closed loop goniometer drive system with an available in-plane diffraction arm.

The equipment accepts powder, films, and even textile samples, and allows mapping measurements within a sample. *Operando* (a.k.a., real time *in-situ*) measurements can be performed with the new [Rigaku SmartLab Studio II](#) software suite, which is an integrated software platform incorporating all functions from measurement to analysis.



On Tuesday 3rd July, a lunch sponsored by Rigaku will take place in the Holyrood room at the conference center. More information about Rigaku technology related to powder diffraction methods for analysis of polycrystalline materials is available at https://www.rigaku.com/applications/powder_crystallography

About Rigaku

Since its inception in Japan in 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. Rigaku and its subsidiaries form a global group focused on general-purpose analytical instrumentation and the life sciences. With hundreds of major innovations to their credit, Rigaku companies are world leaders in X-ray spectrometry, diffraction, and optics, as well as small molecule and protein crystallography and semiconductor metrology. Today, Rigaku employs over 1,400 people in the manufacturing and support of its analytical equipment, which is used in more than 90 countries around the world supporting research, development, and quality assurance activities. Throughout the world, Rigaku continuously promotes partnerships, dialog, and innovation within the global scientific and industrial communities.

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