

Press Release

The April edition of *The Bridge*, the Materials Science newsletter from Rigaku, is now online

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Issue 58 of The Bridge newsletter from Rigaku concentrates on materials science and is available from the company's website

April 23, 2018 – The Woodlands, Texas. The latest edition of [The Bridge](#), the materials science newsletter from [Rigaku Corporation](#), is now available online on the company's global website. *The Bridge* presents current news and analysis techniques related to the latest developments in X-ray based materials science, including news reports, articles and scientific papers.

The April 2018 edition of *The Bridge* contains three *Rigaku Journal* articles - The first - Part X in a series exploring single crystal X-ray diffraction ([XRD](#)) – explores expression of proteins for X-ray analysis. Another discusses principles and applications of multilayer mirror optics for X-ray diffraction, while the final article covers the [Micro-Z ULS](#) wavelength dispersive X-ray fluorescence ([XRF](#)) sulfur analyzer for ultra-low sulfur analysis by the D2622 method.

An overview of the newly introduced [SmartLab multi-purpose X-ray diffractometer](#) system is also presented. A versatile automated XRD system, the newest SmartLab diffractometer offers continued refinement of the ease-of-use features that enabled the original SmartLab diffractometer to receive the coveted R&D 100 Award, such as automatic alignment, component recognition, Cross Beam Optics and a 2D detector.



New Rigaku SmartLab intelligent multipurpose X-ray diffractometer

Special reports are included on [analytica '18](#) and the [BCA Spring '18](#) events featuring user meetings and product demonstrations. Application papers are also presented for energy dispersive X-ray fluorescence ([EDXRF](#)) wavelength dispersive X-ray fluorescence ([WDXRF](#)), Raman spectroscopy, and single crystal X-ray diffraction ([SCX](#)).

The newsletter also includes a book review, a compilation of recently published scientific papers related to material analysis and a schedule of upcoming conferences and workshops.

Readers can subscribe to the newsletter or view the current issue online at <https://www.rigaku.com/subscribe>

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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