

Press Release

Issue 62 of *The Bridge*, the Materials Science newsletter from Rigaku, is now online

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The August 2018 edition of The Bridge newsletter from Rigaku concentrates on materials science and is available from the company's website

August 29, 2018 – The Woodlands, Texas. The August 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 X-ray based materials science, including articles, scientific papers and news reports. Application reports for X-ray diffraction ([XRD](#)), energy dispersive X-ray fluorescence ([EDXRF](#)) and wavelength dispersive X-ray fluorescence ([WDXRF](#)) are featured.

The new issue contains a featured article continuing the previous edition's discussion on data visualization in XRD. In this latest installment, a Data Visualization plugin of [SmartLab Studio II](#) is shown to display changing temperature or humidity data coupled to XRD measurements of samples, enabling greater understanding of structural changes of materials associated with external environments.

Along with a comprehensive list of upcoming scientific conferences and trade shows, a report on the recently concluded 67th annual Denver X-ray Conference (DXC) is also included. The event was held from August 6 – 10 in Westminster, Colorado, USA and was attended by nearly 300 experts from both academia and industry from 20 countries.

The book review features *Energy: A Human History* by Richard Rhodes. The book offers an exploration of the modern relationship between energy and humanity, discussing a wide variety of energy sources, presenting anecdotes demonstrating critical facets of modern humanity's relationship with energy, and supporting with detailed, well-crafted history lessons.

"Material Analysis in the News" presents the latest global news stories, including news of proof by University of California, Berkeley chemists that three carbon structures recently created by scientists in South Korea and Japan are in fact the long-sought schwarzites - analogs of graphene that form three-dimensional lattices, which researchers predict will have unique electrical and storage properties.

“Recent Scientific Papers of Interest” - a monthly compilation of material analysis papers appearing in recently released journals and publications - features 17 recently published papers on research relating to materials science.

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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