



Leading With Innovation

Press Release

Issue 67 of *The Bridge*, the Materials Science newsletter from Rigaku, is online

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The January 2019 edition of The Bridge newsletter from Rigaku focuses on materials science and is now available from the company's website

January 31, 2019 – The Woodlands, Texas. The January 2019 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.

The featured article discusses pole figure measurement, an X-ray diffraction ([XRD](#)) technique employed for observation of textures in polycrystalline materials, and covers the use of [Rigaku SmartLab](#) automated X-ray diffractometer for various pole figure measurement methods to assist in thin film characterization.

This month's featured XRD technical note discusses evaluation of microscopic regions of carbide tools, while X-ray fluorescence ([XRF](#)) application notes explore the measurement of boron in glass powder, and analysis of agricultural soils and plant materials.

A featured video shows the use of a novel high-speed soft X-ray camera to study the sun. This camera was the first in the world to record individual solar soft X-rays with high contrast and high resolution in position, time, and energy.

As always, links to the latest news stories and recently published scientific papers related to materials analysis are presented, along with a book review, a schedule of conferences and workshops and other information covering the latest developments in 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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