

## Press Release

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

Rigaku Corporation  
Michael Nelson  
Global Marketing Coordinator  
[michael.nelson@rigaku.com](mailto:michael.nelson@rigaku.com)

*Issue 65 of The Bridge newsletter from Rigaku, covering the latest materials science news, is available from the company's website*

**November 30, 2018 – The Woodlands, Texas.** The latest edition of [The Bridge](#), the materials science newsletter from [Rigaku Corporation](#), is now available on the company's global website. *The Bridge* highlights current news and techniques related to X-ray based materials science, including news reports, articles and scientific papers.

The November 2018 edition of *The Bridge* contains application papers for X-ray diffraction ([XRD](#)), energy dispersive X-ray fluorescence ([EDXRF](#)) and wavelength dispersive X-ray fluorescence ([WDXRF](#)), as well as useful content related to X-ray diffraction & elemental analysis

This month's featured XRD technical note discusses crystallization behavior of ionic liquid at low temperatures. XRF application notes describe the measurement of sulfur in crude oil and fuels by ASTM D2622-16 (*Standard Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-ray Fluorescence Spectrometry*) and the analysis of fiberglass by EDXRF spectroscopy.

The featured article explores a new texture plugin for the Rigaku [SmartLab Studio II](#) program suite. The presence of crystallographic texture in polycrystalline materials has a significant effect on the characterization and prediction of their properties. The new plugin, called Texture, is intended for quantitative texture analysis.

Two videos are included in this edition—one covering Japan's second space mission to an asteroid, and another commemorating NASA's 60th anniversary. The book review covers *The Perfectionists: How Precision Engineers Created the Modern World* by Simon Winchester. The book traces the history of high-precision engineering from 1776 to present day.



**Rigaku SmartLab automated multipurpose X-ray diffractometer with Guidance software**

“*Material Analysis in the News*” offers an overview of the latest developments in materials science and the monthly compilation of material analysis papers presents 23 recently published scientific papers.

Readers can subscribe to *The Bridge* or view the current and past issues 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.

For further information, contact:

Michael Nelson  
Global Marketing Coordinator  
Rigaku Corporation  
[michael.nelson@rigaku.com](mailto:michael.nelson@rigaku.com)

###