Press Release

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

Issue 51 of The Bridge *newsletter from Rigaku concentrates on materials science and is available from the company's website*

September 29, 2017 – The Woodlands, Texas. The latest edition of *The Bridge*, the materials science newsletter from Rigaku Corporation, is now available to view on the company's global website. *The Bridge* presents the latest news and analysis methods offered to keep the scientific community informed about the latest developments in X-ray based materials science.

Numerous articles and scientific papers regarding X-ray diffraction (XRD), wavelength dispersive X-ray fluorescence (WDXRF), energy dispersive X-ray fluorescence (EDXRF) and Raman spectrometry are presented, along with new application papers for the various X-ray analytical techniques.

The September 2017 edition of The Bridge contains a recap of the annual Japan Analytical & Scientific Instruments Show (JASIS), where many new and current instruments were shown. New XRD instruments, including the SmartLab SE multipurpose XRD system and sixth generation MiniFlex benchtop XRD instrument were presented, as well as the latest XRF instrumentation, such as the new NANOHUNTER II benchtop TXRF system, the Supermini200 sequential WDXRF spectrometer, ZSX Primus IV tube-above WDXRF spectrometer and the NEX DE EDXRF elemental analyzer. The Rigaku nano3DX micro-CT imager was also displayed, along with various thermal analyzers, the Progeny handheld Raman spectrometer and the new Rigaku NANOPIX mini benchtop small angle X-ray scattering (SAXS) instrument.

This month's issue also features a new Rigaku Journal article describing the investigation of fuel-cell structures with the multi-scale X-ray analysis high-temperature attachment for capillaries. A featured article on a symposium called "A Golden Age for Chemistry," hosted by the Stoddart group at Nottingham University is also included.

Application reports are presented for a several x-ray analysis of techniques, including an Application Note highlighting "Elemental Analysis of Pharmaceutical Intermediates" by total reflection X-ray fluorescence (TXRF).

A regular feature is "Recent Scientific Papers of Interest" - a monthly compilation of material analysis papers appearing in recently released journals and publications. The new issue features 19 recently published papers on wide variety of 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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