

Press Release



Rigaku Presents New Webinar: X-ray Computed Tomography for Geology Applications

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The latest webinar in the series, “X-ray Computed Tomography for Materials and Life Science” will cover analysis of geological samples.

July 10, 2020 – The Woodlands, Texas. [Rigaku Corporation](#), a global leader in X-ray analytical instrumentation, is pleased to announce the next installment in the online webinar series, *X-ray Computed Tomography for Materials & Life Science*. The next event will take place on Wednesday, July 15, and focus on geology applications.

Geologists routinely analyze the composition and molecular structure of rock and mineral samples. Long having been central tools in geological research, X-ray analytical techniques have become more powerful with small spot excitation, mapping and standardless quantitative analysis. X-ray computed tomography (CT) is a technique used to image objects—including rocks, meteorites or fossils—non-destructively in 3D.



By optimizing measurement settings and employing appropriate image segmentation techniques, geologists can analyze cracks, pores, inclusions, and phase textures in rocks, quantify void and phase percentages, and study pore networks. Visualization of inclusions and fossils in 3D is also possible, to enable study their shapes in detail.

Attendees will learn how to apply the X-ray CT technique to geology. A number of X-ray CT application examples of geological samples will be discussed, including the analysis of cracks, pores, inclusions, and phase quantification of rocks and drill cores.

The live event will take place on Wednesday, July 15, 2020 at 11:00 AM Pacific Daylight Saving Time (US and Canada).

Information and event registration is available at www.rigaku.com/webinars/x-ray_ct_introduction/06.

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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