China—Tradition and transformation
China pursues technological advances that can disrupt global markets—and its own economy
As both government and global expectations make innovation a precedence over the traditional value of stability, private industry and entrepreneurs are increasingly taking the lead to meet science and technology objectives.

by Alex Talavera and Randy B. Hecht

Magnetic tapes archive big data
Magnetic tape is an important technology for companies and organizations that handle big data—but an ongoing patent infringement battle makes obtaining the newest tapes difficult.

ACerS leaders for 2019–2020
New officers and directors on the 2019–2020 ACerS Executive Committee and Board will be installed at the 121st Annual Business Meeting on Sept. 30, 2019, at MS&T19 in Portland, Ore.
Two theories, one goal—new formula also describes heat flow in both crystals and glass

In May, a formula was published that could describe thermal transport in both crystals and glass. Now, a new formula by researchers in Italy and the United States based on a different mathematical framework can also model such thermal transport.

Credit: the glass-blower, Flickr (CC BY 2.0)