

INDUSTRY NEWS



New method simplifies calculation of precise location of cracks on complex shapes

Researchers at the University of Illinois at Urbana-Champaign have developed a new calculation method that enables them to pinpoint the exact location and direction of a critical crack in a structure with a single analysis.

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Nikon super-resolution structured illumination doubles resolution of widefield microscope

Nikon Instruments, Melville, N.Y., describes super-resolution structured illumination microscopy (SIM) as a revolutionary imaging technique for doubling the resolution of a widefield microscope in 3D.

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Atomic force microscope and ammeter together enable topography mapping

Engineers from Park Systems, Santa Clara, Calif., demonstrated how an atomic force microscope, when combined with an ammeter, can provide concurrent topography imaging and electrochemical mapping of a structure, at the ASM International MS&T 2019 Conference in Portland, Oregon.

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Asylum Research scanning capacitance microscopy accessory maps dopant concentration

Oxford Instruments Asylum Research, Santa Barbara, Calif., has released a new scanning capacitance microscopy (SCM) accessory for its Cypher and Jupiter XR atomic force microscopes.

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Journal of Failure Analysis and Prevention 2019 Editor's Choice articles announced

The Journal of Failure Analysis and Prevention Editor Michael E. Stevenson recently announced this year's Editor's Choice articles, showcasing six of the high-quality articles that were published in the journal in 2019. They are free to read and can be shared with your colleagues. We hope you enjoy reading these articles, and we extend our congratulations to the authors of these high-quality papers!

- "Preload from Tightening and Removal Torque" by D.P. Hees, Vol 19(4), August 2019, p 1055-1066
- "Root Cause Analysis of an Oil-Burning Tabletop Torch Explosion" by Darryl James, David Klein, and Jahan Rasty, Vol 19(6), December 2019, p 1638-1644
- "Failure of a Dissimilar Metal Braze in an Expansion Joint" by Brett A. Miller, Philip D. Swartzendruber, and Justin T. Barnes, Vol 19(2), April 2019, p 314-319
- "Failure Analysis of Additively Manufactured Polyester Test Specimens Exposed to Various Liquid

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AVERAGE MONTHLY PAGEVIEWS: 14,500+

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- Avoid using java script or linking to external style sheets, or style sheets that are part of a web site.
- Use inline styles instead of external styles
- HTML emails render differently in different email clients. Keep the HTML simple.
- Avoid using images with big file sizes.
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