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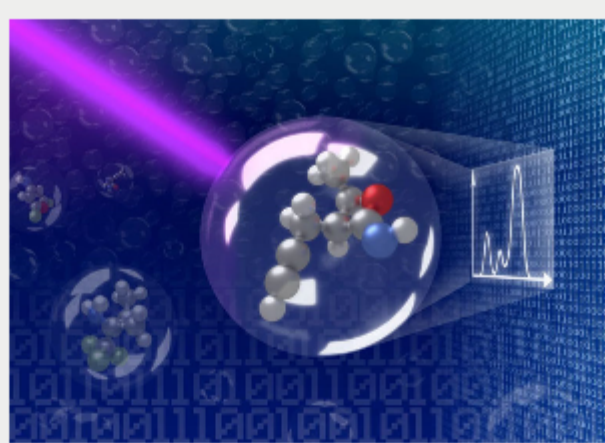


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Data-Driven Spectroscopy Has Potential to Lower R&D Costs, Speed Development

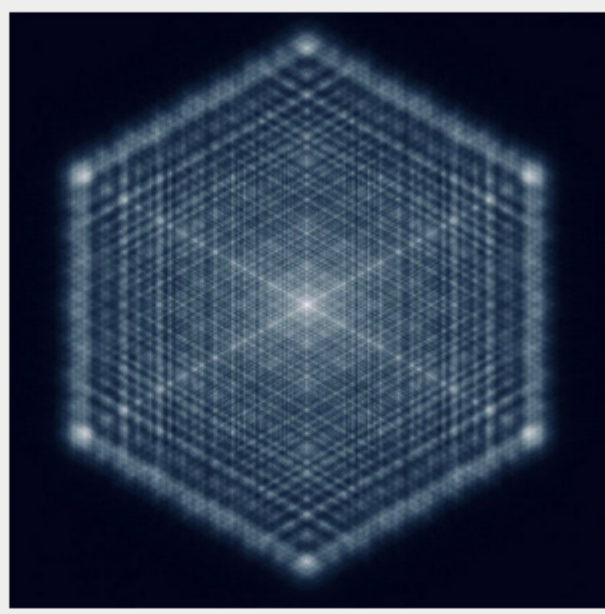
Artificial Intelligence for Spectroscopy (ARTIST) is a new approach to spectroscopy that uses artificial intelligence (AI) to accelerate the spectroscopic analysis of materials and the discovery of new molecules or materials. ARTIST could help speed the development of new technologies, from wearable electronics to flexible solar panels.



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Researchers Demonstrate Fractal Light from Lasers

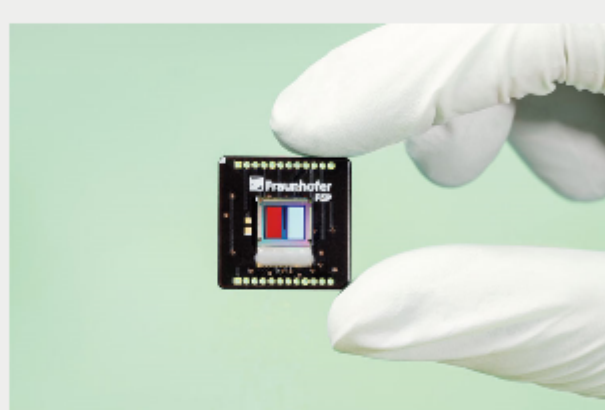
A team from the University of the Witwatersrand (Wits) and the University of Glasgow has demonstrated that fractal light can be created from a laser, verifying a prediction made two decades ago. The researchers provide experimental evidence for fractal light from simple lasers and add a new prediction, namely that the fractal light should exist in 3D and not just 2D, as previously thought.



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Blue OLED-on-Silicon Sensor Detects Phosphorescence

Scientists at the Fraunhofer Institute for Organic Electronics, Electron Beam and Plasma Technology FEP have developed a miniaturized phosphorescence sensor that combines marker and sensor on a small chip surface about the size of a thumbnail.



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Unique technology comes from evolution, combining existing and new technology. When PCO's tried and trusted sCMOS cameras pool forces with modern back illuminated (bi) sensor technology, pco.edge 4.2 bi and pco.panda 4.2 bi come into the world of science. Both cameras stand out with their nearly perfect quantum...

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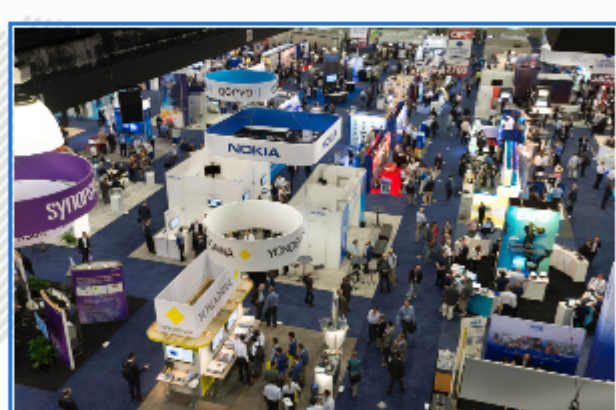
Industry Events

OFC 2019

March 3-7, 2019 - San Diego Convention Center - San Diego
Photonics Media Booth: 6240

For over 40 years, OFC, the largest global conference and exhibition for optical communications and networking professionals, has drawn attendees from all corners of the globe to meet and greet, teach and learn, make connections, and move the industry forward. The program is comprehensive - from research to marketplace, from components to systems and networks, and from technical sessions to the exhibition. The five-day technical conference features peer-reviewed presentations and more than 180 invited speakers presenting the highlights of emerging technologies.

[More Info](#)



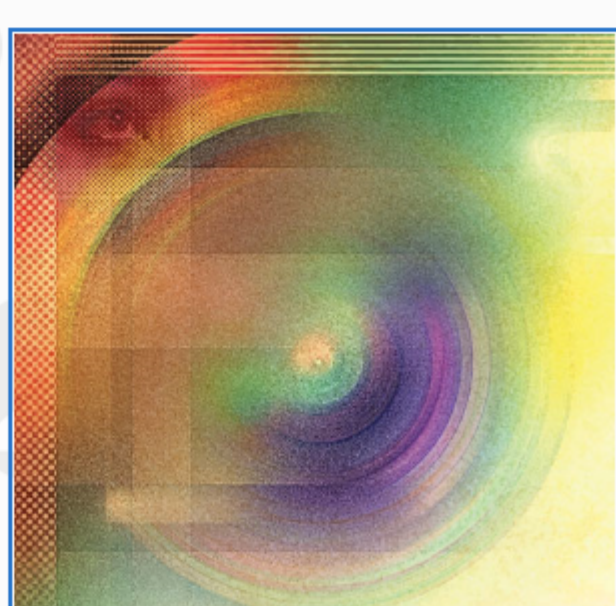
Webinars

Emergence of Freeform Optics in Imaging Systems: A Leap Forward

Wed, Feb 27, 2019 1:00 PM - 2:00 PM EST

This webinar will provide an overview of freeform optics. Following a brief introduction, the presenter will discuss the historical context and applications for freeform optics. She will then present mathematical descriptions and the latest methods of optical design. As time allows, she will discuss some of the primary fabrication techniques and provide a short update on freeform metrology. This webinar is sponsored by Greenlight Optics.

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