



## WEBINARS

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# Fused Silica Step Index Fibers: Advanced Preform and Fiber Metrology

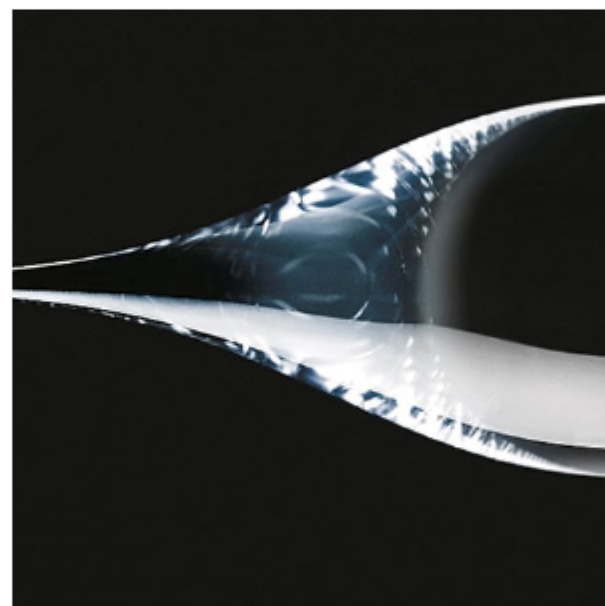
**Tuesday, December 10, 2024 12:30 PM - 1:30 PM EST**

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Presented by

**Heraeus**  
Conamic

This webinar discusses advanced preform and fiber measurement techniques for specialty fibers, with a particular focus on fibers produced using the POD (plasma outside deposition) process. In this process, fluorine-doped fused silica is applied to the outside of a high-purity core rod made of synthetic quartz glass to produce the refractive index step required for light guiding. Depending on the specific application wavelengths of these specialty fibers, various synthetic fused silica materials are available as core materials, which enable the production of specialty fiber preforms tailored to the application. The session begins with a brief introduction to the manufacturing process and typical applications of specialty fibers, followed by an in-depth examination of the characterization of the preforms and the resulting fibers. Presented by [Heraeus Conamic](#).



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