



Advancing Optics and Photonics Worldwide

Fiber Modeling
and Fabrication

FFTG Monthly Newsletter: January 2026

Click [here](#) to submit content for next month's newsletter.

Intro

Welcome to the Optica FFTG Monthly Newsletter!

This year, the executive board of the Fiber Modeling and Fabrication Technical Group is undertaking a new initiative to better connect our community in 2026, a monthly newsletter! We hope that this newsletter will help spread the word about our events and things happening in the optical fiber community more broadly. If you would like to share anything with the community (news/publications/job opportunities/etc.) please submit them to us through the link at the top of this email! This newsletter will be sent out on or near the 15th of each month. If you would like your content included, please submit by the 12th of the month. If you have feedback or suggestions for the newsletter, please submit them using the same form above. We look forward to your participation and are excited to see how this platform evolves over the next year!

-Bailey Meehan, FFTG Communications Chair

Technical Group Information

New Year, New FFTG

The executive board of the FFTG is excited for the new year and a new opportunity to bring content, events, webinars, and more to this community. If you have any suggestions for the upcoming year or any feedback on prior experiences with the FFTG, please send us your ideas through this [Form](#).

We are looking to fill a couple open positions on the FFTG executive board to help facilitate events throughout the year. If you are interested in serving our community in this way, please reach out to our Technical Group President, [Turghun Matniyaz](#).

Events and News

- Watch recordings of prior FFTG webinars, including our most popular event of 2025 (*Advancements in Hollow-Core Fibers: Progress and Challenges*) through our technical group webpage! **Link:** [Fiber Modeling and Fabrication \(FF\) | Optica](#)

- Hollow core fibre technology recognized by Physics World as one of the Top 10 Breakthroughs of the Year in Physics! Read more [here](#).
- There are a plethora of new and exciting optical fiber technologies and developments being presented next week at SPIE's *Photonics West*! Browse the program [here](#).

Career and Education Opportunities

Company/University	Career or Education Opportunity	Location	Link
AFL	Product Engineer	Duncan, SC, USA	AFL
Coherent	Optical Fiber Test and Assembly Technician	East Granby, CT, USA	Coherent
Corning	Technician, Fiber Draw	Corning, NY, USA	Corning
Corning	Optical Fiber Engineering Intern - Summer 2026	Wilmington, NC, USA	Corning
Lightera	R&D Engineer	Somerset, NJ, USA	Lightera
Lightera	Hollowcore Engineer/Scientist	Sturbridge, MA, USA	Lightera
University of Central Florida	Professor of Optics and Photonics	Orlando, FL, USA	UCF
University of Southampton	Various PhD Projects	Southampton, UK	PhDs

Publications

Top 20 Journal Articles on Novel Optical Fibers and Fiber Lasers/Amplifiers (Dec 2025 - Early 2026)

High-Power Fiber Lasers & Amplifiers

- [6 kW Near Single-Mode Monolithic Fiber Laser Oscillator Based on Core NA Design](#)
- [Tunable 300 W Single-Frequency 2 \$\mu\$ m Fiber Amplifier](#)
- [20.2 W Monolithic 3.5 \$\mu\$ m Fiber Laser System Using Femto-Laser Inscribed FBGs](#)
- [Programmable Pulse Width & Tunable Er-Doped Active Mode-Locked Fiber Laser](#)
- [All-Fiber Dispersion-Managed Erbium-Doped Fiber Laser with Novel Saturable Absorber](#)

Novel Fiber Structures & Guidance Regimes

- [Cutoff "Forbidden" Fiber Modes for New Light Propagation Regimes](#)
- [Recent Advances in Hollow Core Fiber Technology](#)

[Ultrastable Optical Frequency Transfer in Deployed Multicore Fiber](#)

[Broadband Polarization-Maintaining Solid-Core Photonic Crystal Fiber](#)

[Circular Polarization Beam Splitter Using Helically Twisted Dual Hollow-Core Fiber](#)

Telecom-Relevant Fibers & Amplifier Materials

[Bismuth-Doped Fiber Amplifier for Full S-Band Amplification](#)

[Non-Destructive Real-Time Characterization of Anti-Resonant Hollow-Core Fibers](#)

[Radial Basis Optimized Polarization-Maintaining Hollow-Core Anti-Resonant Fiber](#)

[High-Accuracy Phase-Sensitive OTDR Strain Sensing Using Pulse Scanning](#)

Supporting Laser & Amplifier Engineering Studies

[Simulation of High-Power Single-Frequency All-Fiber Tm-Doped Amplifiers](#)

[Enhanced Long-Wavelength Emission in Tm/Ho Co-Doped Fibers](#)

[Simultaneous Enhancement of TMI and SRS Suppression in Yb-Doped Fiber Lasers](#)

[Fiber Lasers with Repetition-Rate Control & Short Pulse Characteristics](#)

[High-Repetition-Rate Electro-Optic Frequency Comb Generation for Fiber Systems](#)

[Mode Control in 7.2 kW Near-Single-Mode Monolithic Fiber Amplifiers](#)