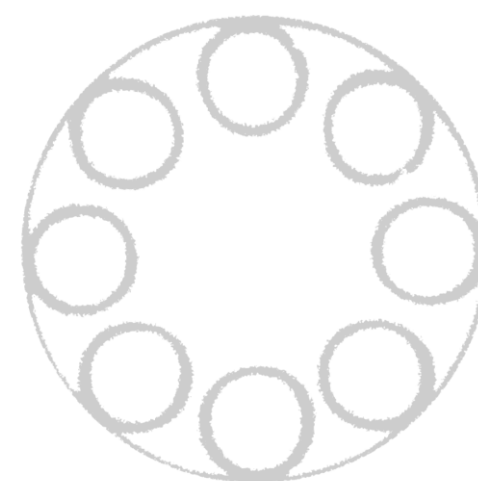
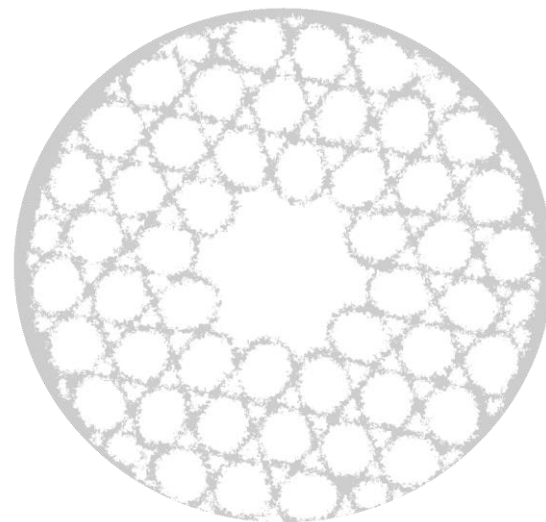


EPIC Online Technology Meeting on Endoscopy

Jean Sauvage-Vincent

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● Who we are?



GLOphotonics
=
Gas Laser Optic photonics



Founded in 2009 in Bath, UK



123 avenue Albert Thomas
87000 Limoges
France



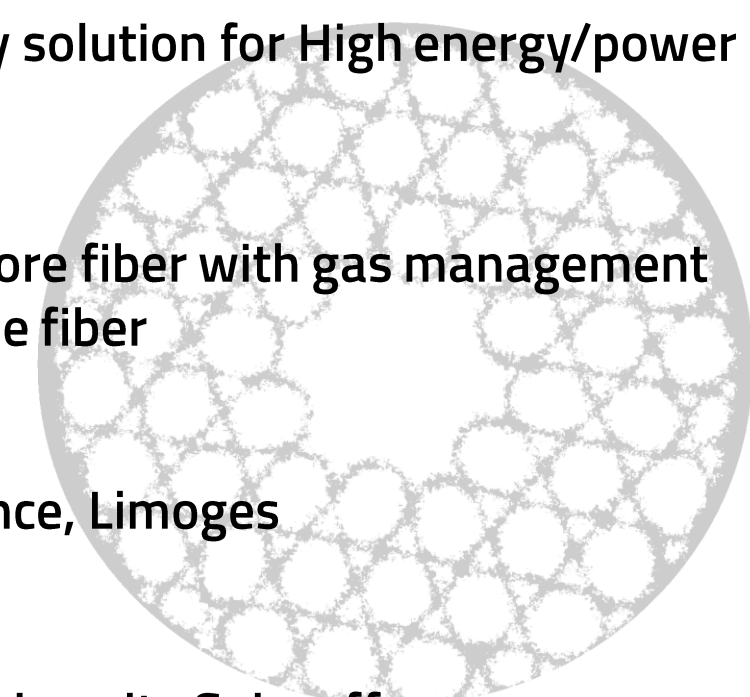
12 employees



Drawing tower
300m² application lab



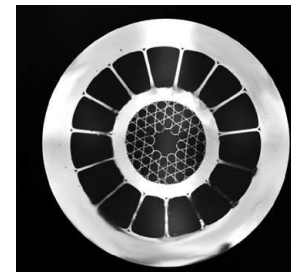
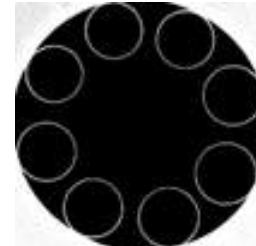
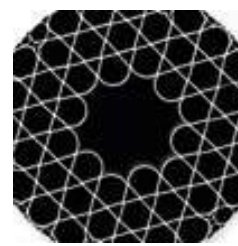
- 2020: Trumpf & DMG MORI joined Amplitude SA as investors in GLOphotonics
- 2019: FASTLAS nominated at the innovation Award 2019, Laser Munich
- 2018: A proprietary drawing tower FASTLAS: Compression system IR down to UV Fiber for the UV in development
- 2017: Patchcord, hollow core fiber with standard connector
- 2015: BDS, Beam delivery solution for High energy/power ultrafast laser
- 2013: Powerlink, hollow core fiber with gas management inside the core of the fiber
- 2011: re-incubated in France, Limoges
- 2009: founded in Bath, University Spin-off



- What we do?

Hollow core fiber

One of the only solution for ultrafast laser guiding



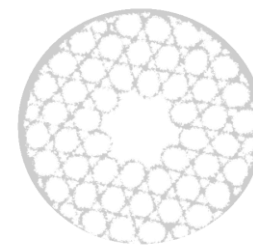
Available from UV up to IR

Beam Delivery Family

Low Power / energy



High Power / energy



Gas interaction components

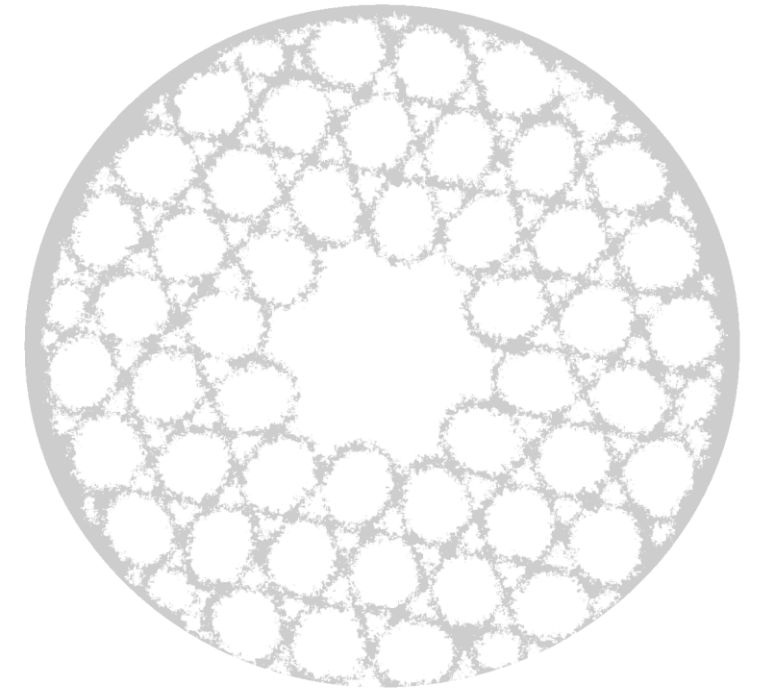
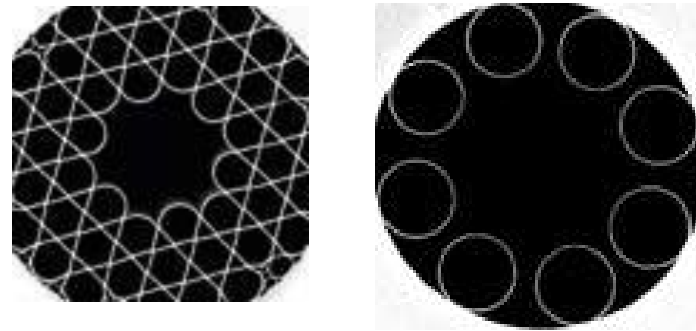
Fastlas
Pulse compression



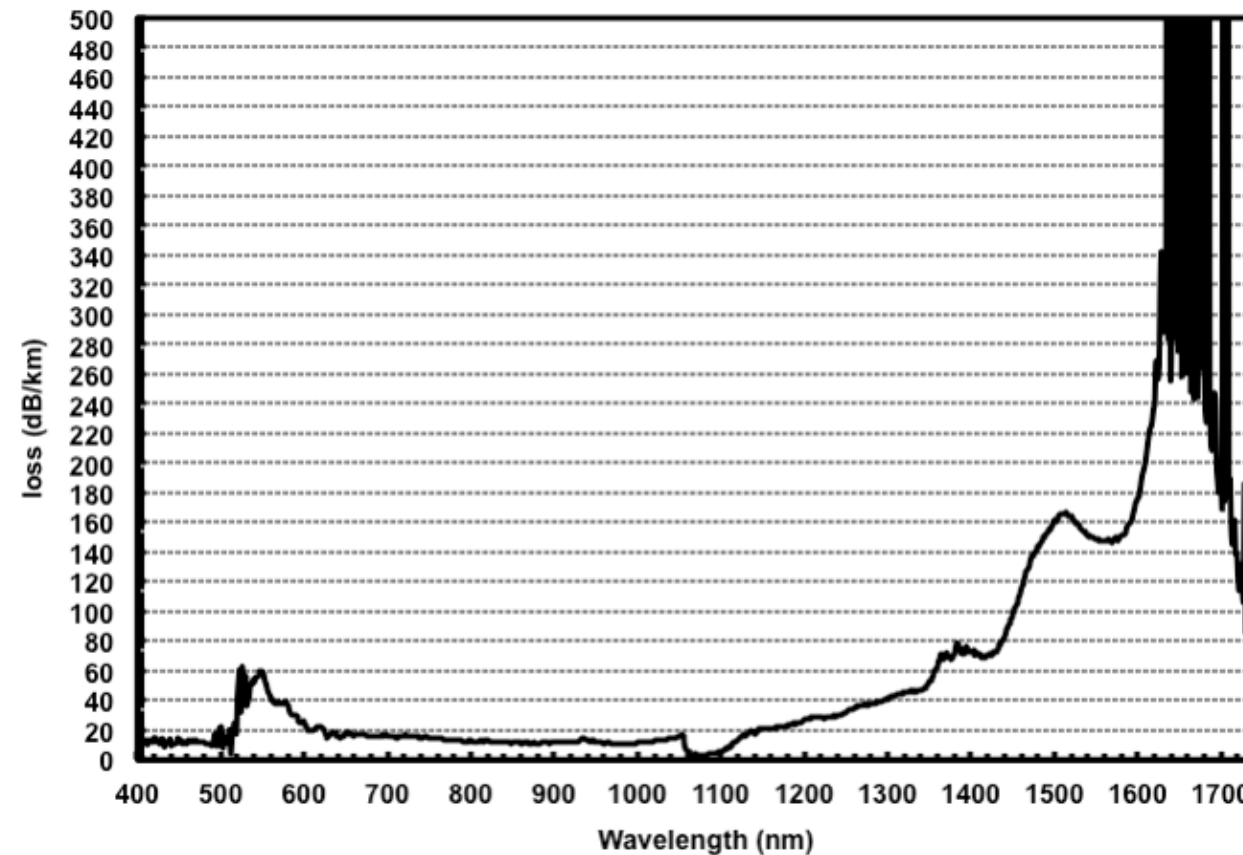
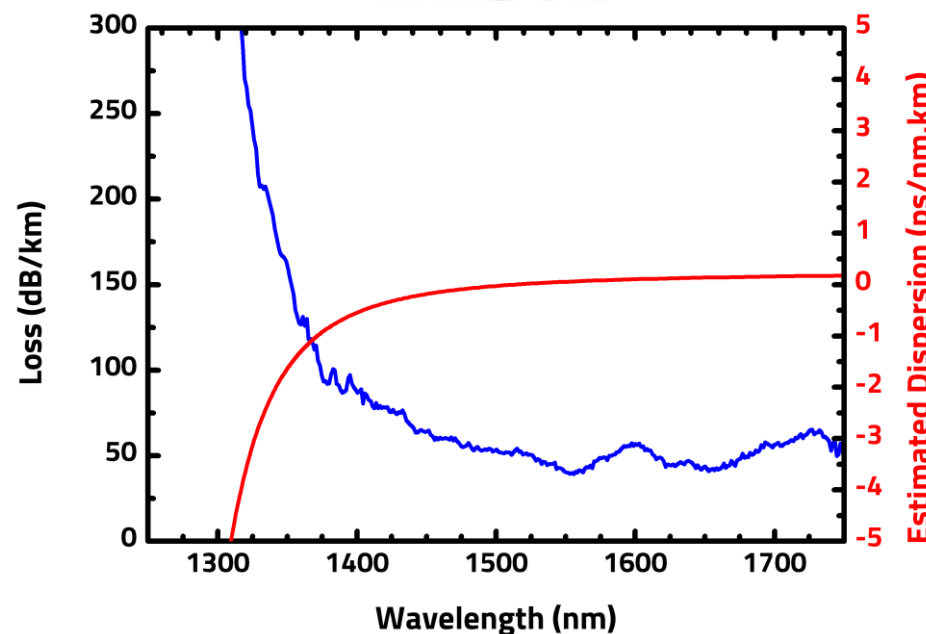
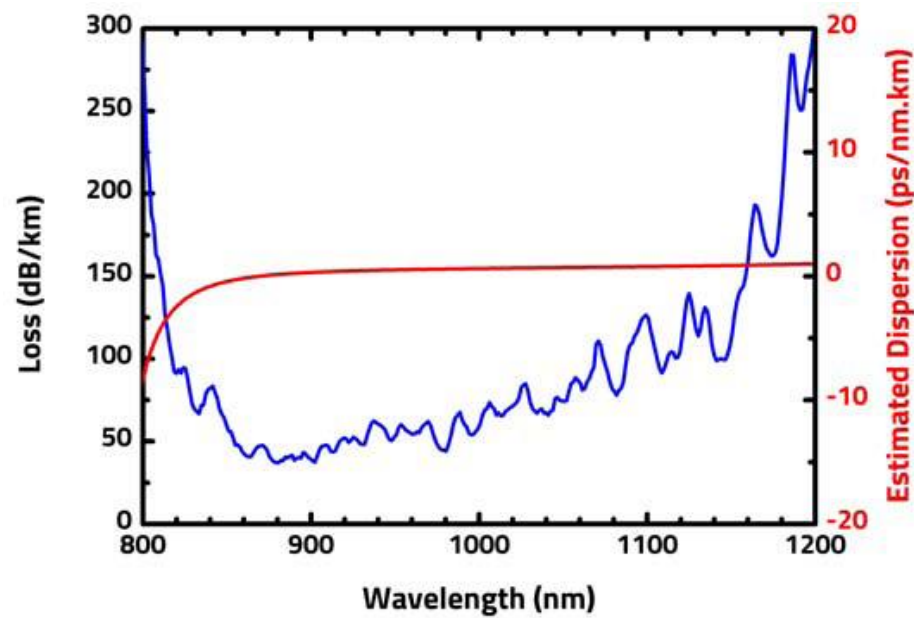
Comblas
Frequency conversion



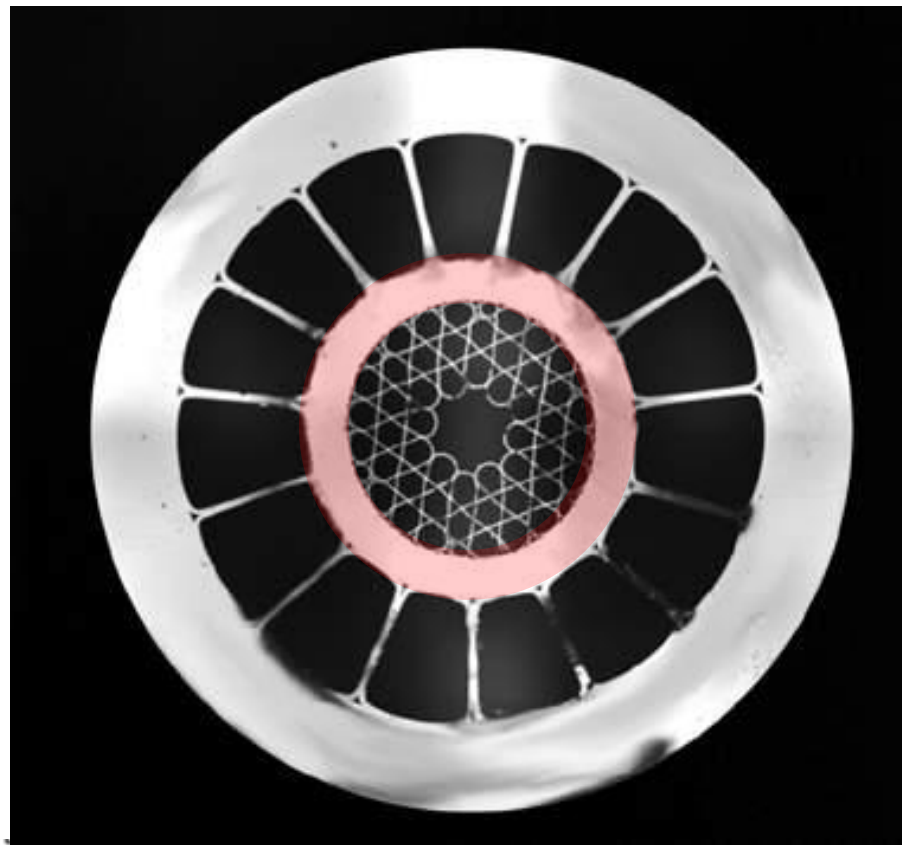
— Hollow core fiber —



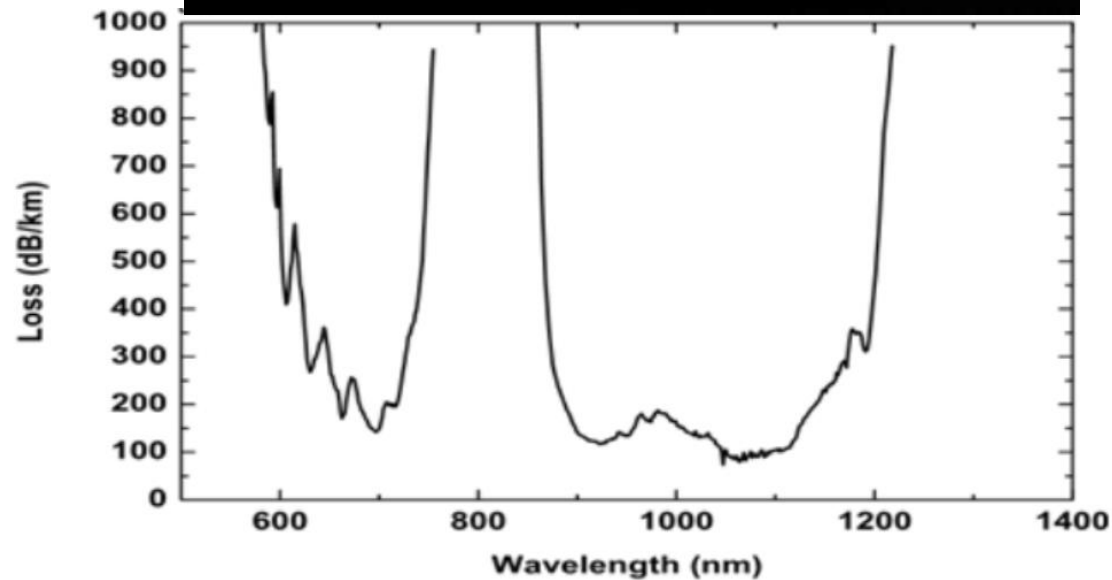
Low dispersion
Low loss
Broad spectral coverage
High power handling



— Hollow core fiber & Solid core fiber —



Low dispersion
Low loss
Broad spectral coverage
High power handling
&
High NA with the silica
cladding $>0,16$



An EPIC Thank you for your
attention!

Jean Sauvage-Vincent

jeansauvagevincent@glophotonics.fr

