

# Interferometric Measurement of Chromatic Dispersion by Synchronized Control of Supercontinuum Pulse Overlapping

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COST 2017 (Action MP1401)

# Overview

- FYLA
- Products and applications developed in FYLA
- Characterization of fibers.
- Conclusions

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## FYLA

### All made in Spain, to the world

As a company, FYLA is the only one in the south of Europe, and one of the few in the world, able to produce and control the supply and manufacturing of the 100% of the components and technologies required for the production of our All-fiber pulsed Lasers, from our proprietary White Lasers Series , to pulsed lasers in the range of pico and femto seconds, with a ground breaking In-Fiber laser generation technology."

[SEE MORE](#)

### FYLA CENTRAL SITE

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Parque Tecnológico 46980  
Paterna -Valencia -Spain

Tel +34 96 136 91 90  
[fyla@fyla.com](mailto:fyla@fyla.com)

### FYLA FACTORY

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Sant Quirze del Valles – Spain

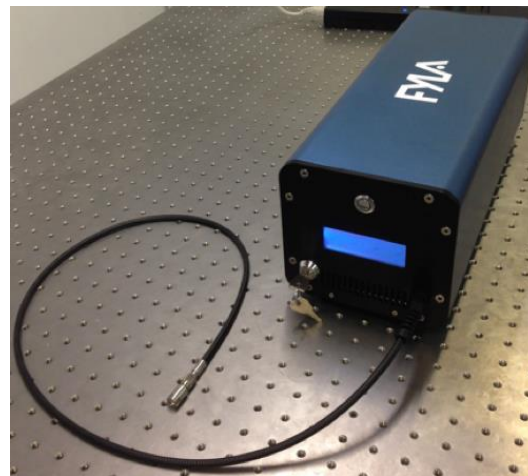
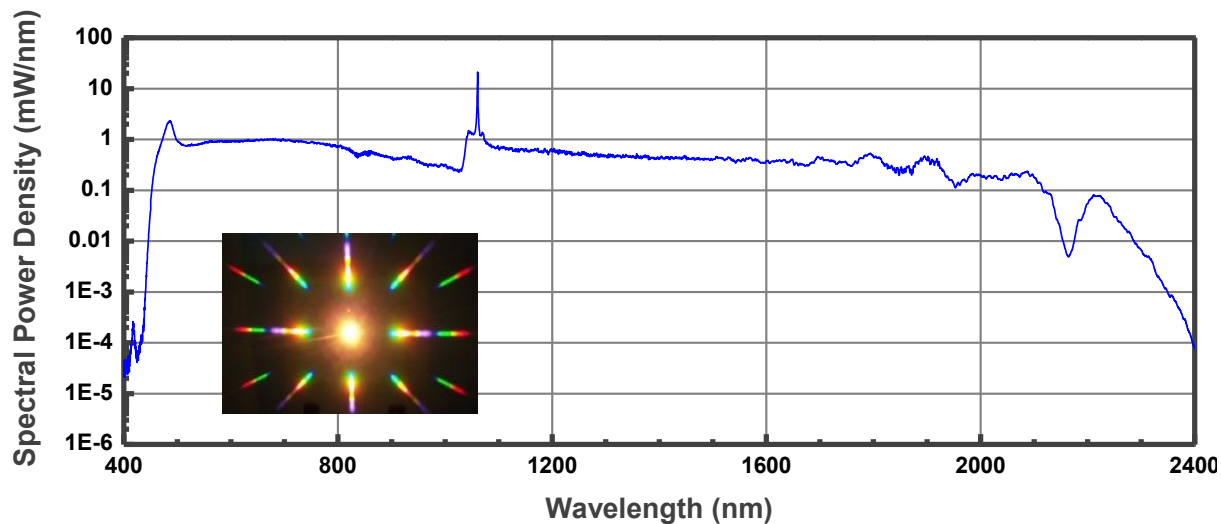
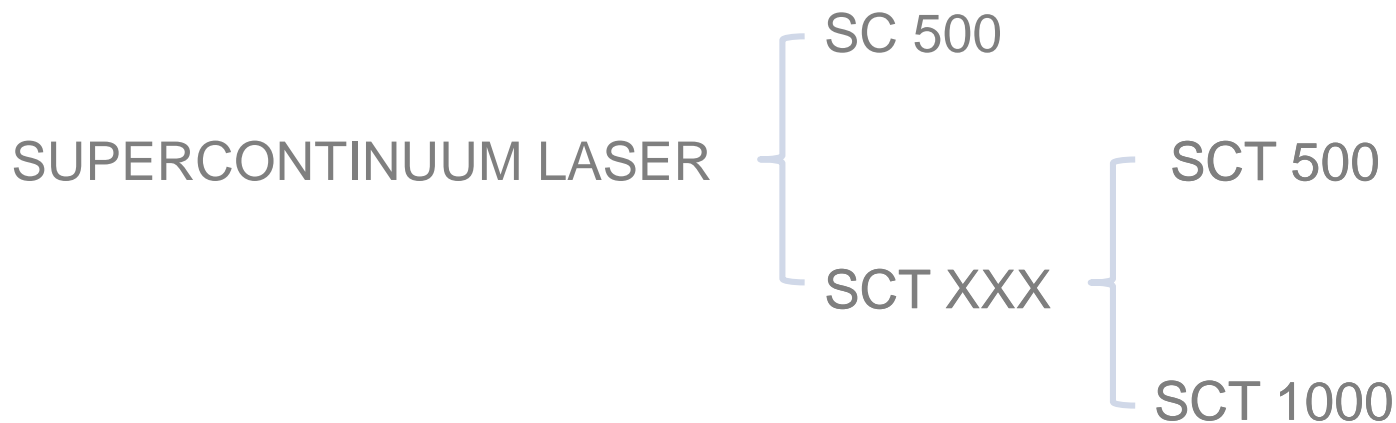
[fyla@fyla.com](mailto:fyla@fyla.com)



## THE COMPANY

# Overview

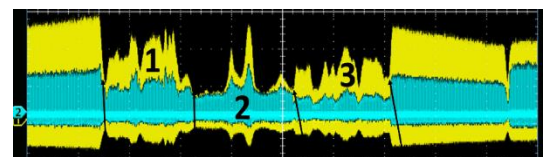
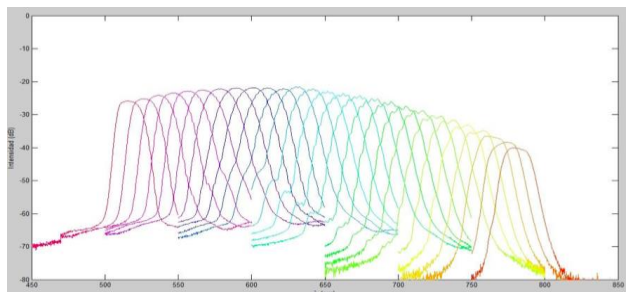
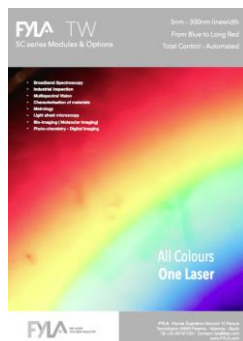
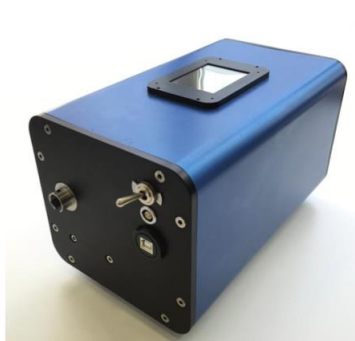
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## ACCESSORY MODULES OF SC

Module for arbitrary spectral shaping

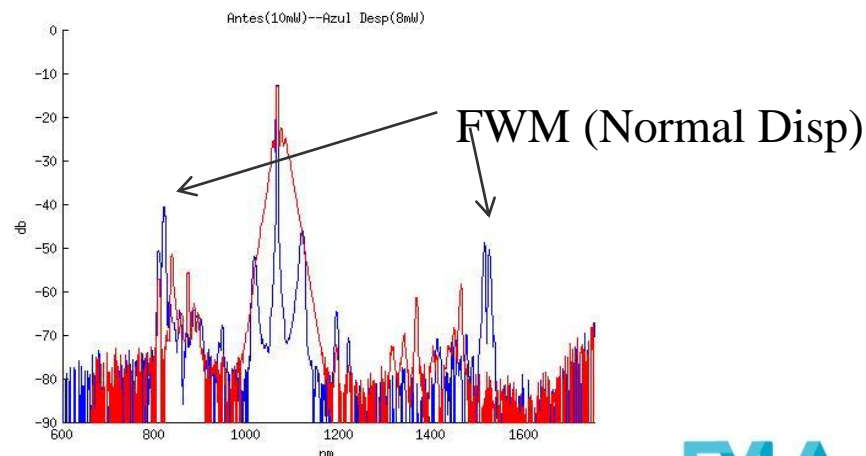
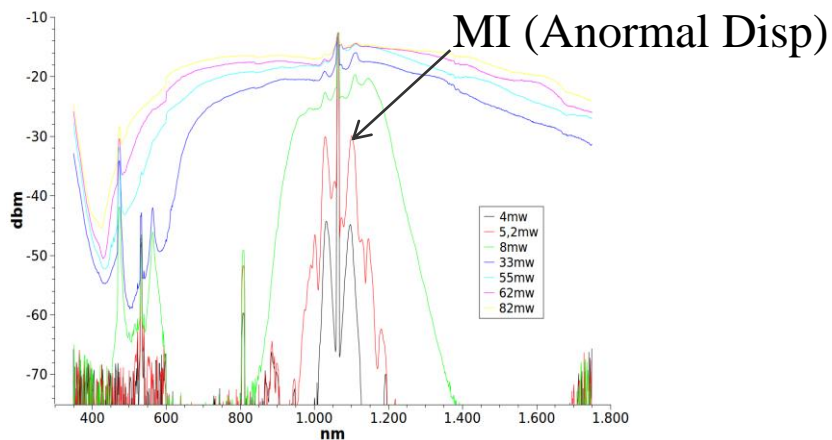
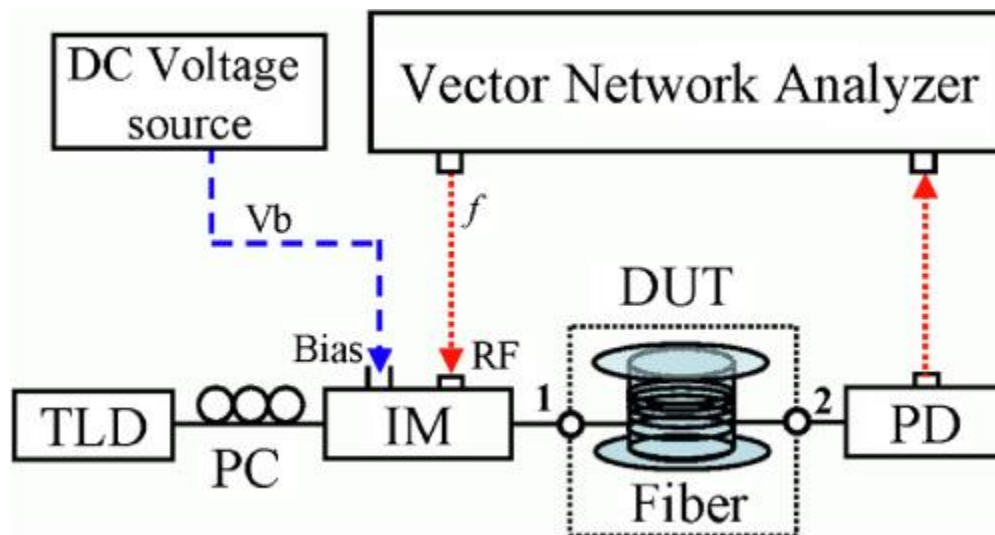
Line or Spot Scanning



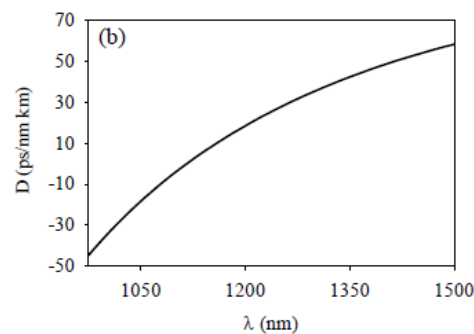
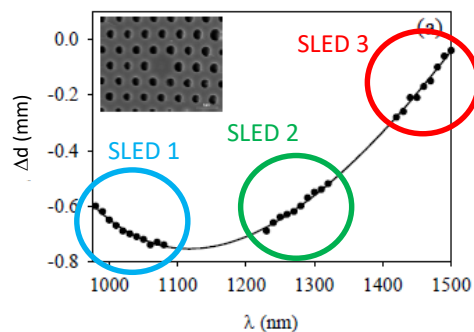
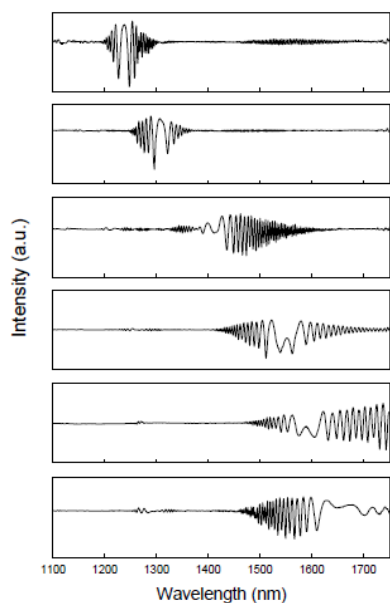
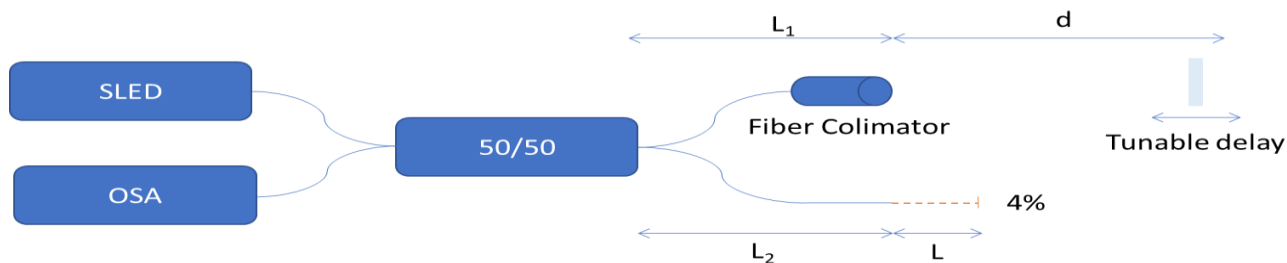
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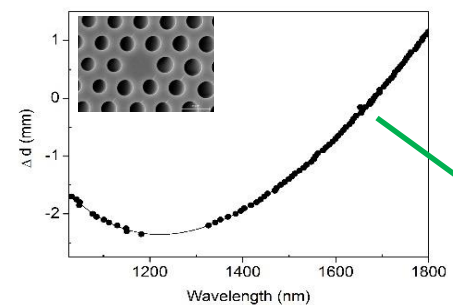
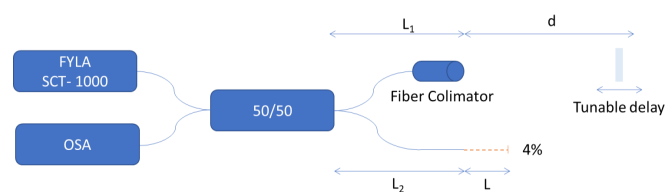
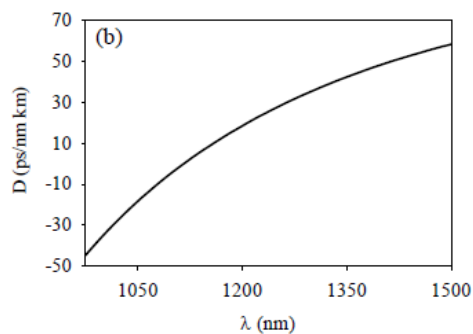
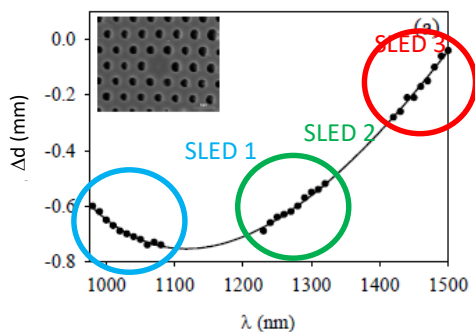
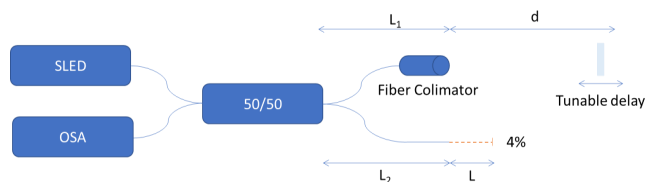
MASUREMENT  
CHROMATIC  
DISPERSION



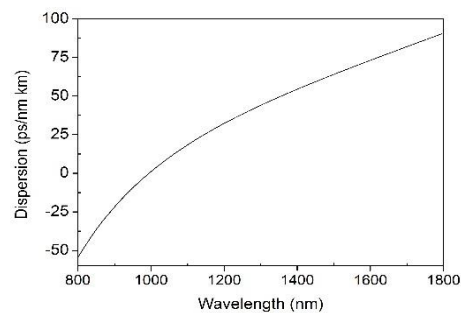
## FYLA SCT1000: Full VIS-IR Spectrum Measurements. PHASE



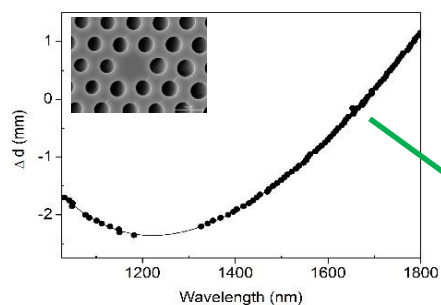
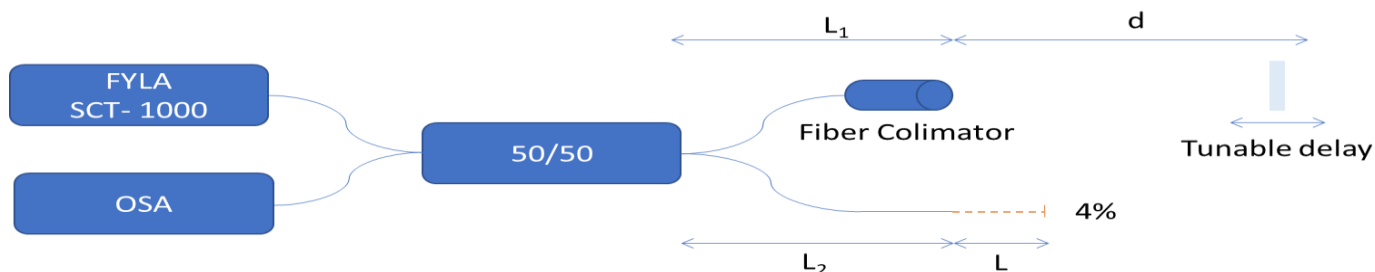
## FYLA SCT500/1000: Full VIS-IR Spectrum Measurements. PHASE



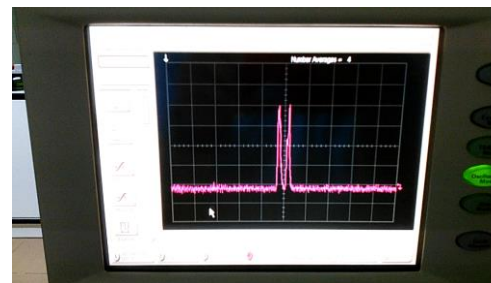
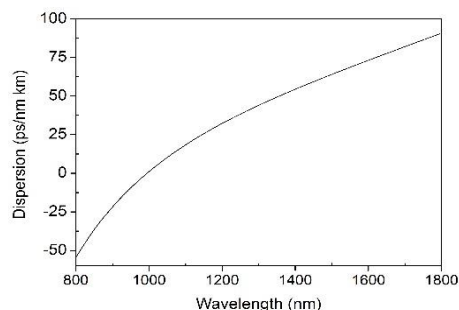
- SINGLE SOURCE
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## FYLA SCT500/1000: Full VIS-IR Spectrum Measurements. PHASE



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# Conclusions

- Optimum visibility of fringes down to a resolution of less than 1nm.
- This method simplifies very significantly the long and tedious state-of-the-art interferometric methods based in several SLEDs as illumination sources
- This method will become a new equipment into FYLA family.

# Questions