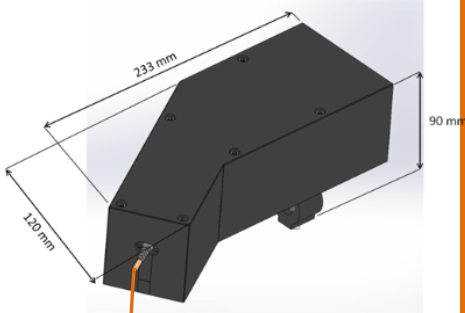




IFSxC Integral Field Spectrometer

Multitel
APPLIED PHOTONICS

MULTI-CHANNEL PARALLEL ANALYSIS



Adaptation of the spectrometer based on your needs

- ✓ Wavelength range
- ✓ Resolution
- ✓ Form factor

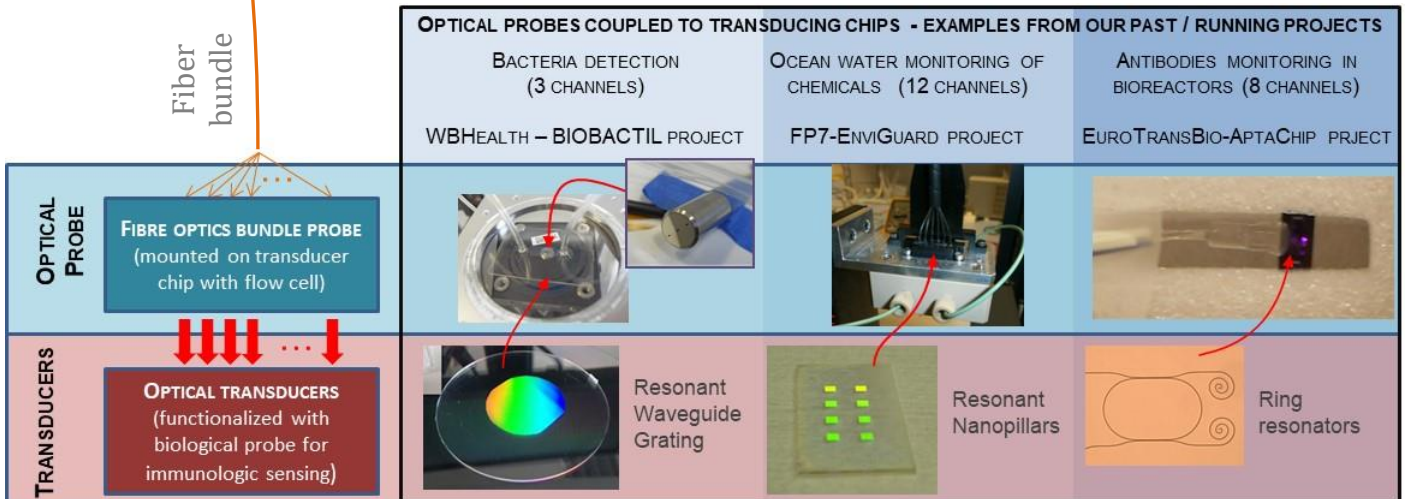
Multi-channel optical probe development to fit your transducing chip specifications

- ✓ Standard probes with up to 12 channels
- ✓ Custom probes with less or more channels

Automatic detection of the resonant wavelength of the photonic transducers. Real time sensorgram acquisition (resonant wavelength versus time)

Specifications

- Custom design in UV, visible and near infrared
- Monomode or Multimode fibre array input
- Bandwidth 50 to 100 nm / Resolution 30 – 75 pm (depending on fibre type)
- Precision on peak detection down to ~1 pm (depending on Device Under Test)
- 1-to-5 spectra per seconds
- Up to ~20 channels (depending on fiber type)
- Portable - Small form factor (233mm x 120mm x 90mm)
- Low cost
- Computer-on-Chip for image and data analysis, communication (ethernet, wifi, usb, ...) (150 mm x 100 mm)



Typical applications: VIS-NIR multichannel spectrometry, interrogation of photonic transducer array (optical ring resonator array, resonant waveguide gratings array, Surface Plasmon Resonance (SPR) array), multichannel Raman, multichannel Laser induced breakdown spectroscopy (LIBS)

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