VLC PHOTONICS

PIC design and prototype services

OCDMA system for optical networks
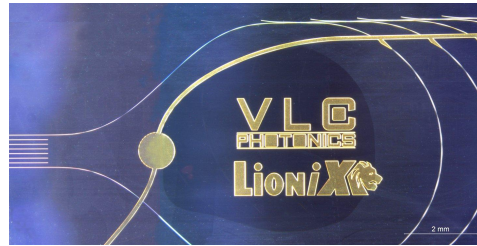
- Application in optical acccess networks, Fiber-to-the Home, etc.
- Multiple users enabled by different optical codes
- Implemented with passive delay lines and parallel waveguide couplers
- Code tunability achieved adding phase shifts to each sample
- Optical chip manufacturing provided by:
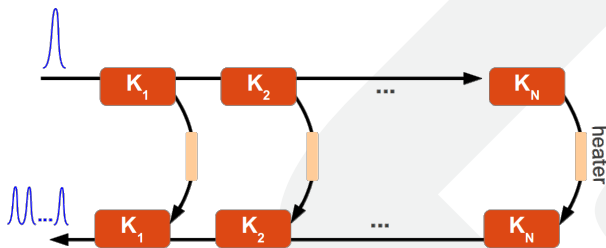
LioniX

✓ TriPleX selected as the most suited material platform

✓ Thermo-optic heaters included for code tuning

✓ Chip layout succesfully ported and validated in silicon photonics too:
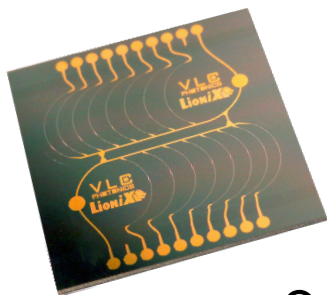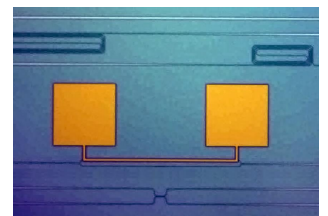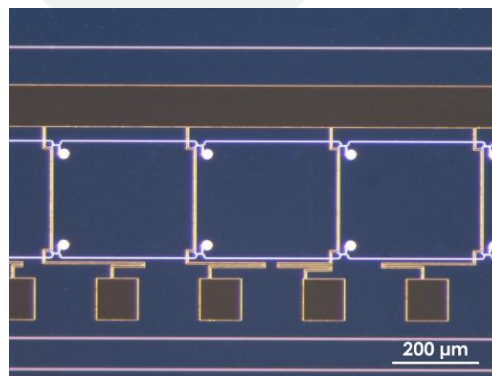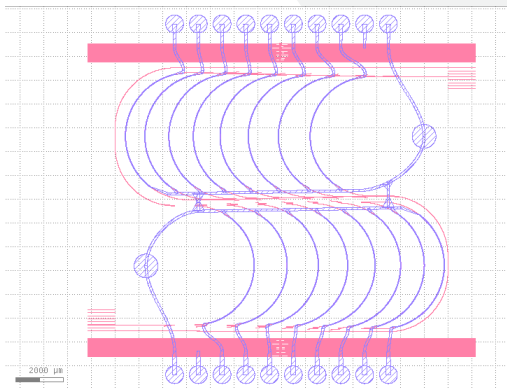
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Contact us for any optical integration requests!

www.vlcphotonics.com