



Photonic Integrated Circuit design training

17-19th January 2018

LOGISTIC INFORMATION

1. The course will be given at the room DESCUBRE of the Ciudad Politecnica de la Innovacion ("Salas CPI") on the 4th floor of the building 8E, underground access J or terrace access (red cube) of the Universidad Politécnica de Valencia (UPV). You can easily reach UPV via public transport or car, see indications here:

<https://www.upv.es/otros/como-llegar-upv/campus-vera/index-en.html>

<http://www.upv.es/plano/plano-2d-es.html>

You can access the room via the elevators in the underground of the building, or walking through the open air terraces on the third floor.

If you have any trouble finding your way, give us a call at +34 644 513 310.

2. The maximum number of Trainees will be 15 people, and candidates will be accepted on a first come, first served basis depending on their registration forms delivery dates.
3. The course material will be given on site, with some preliminary presentations and documentations provided the week before as introductory information. All course material and explanations will be given in English. However, all teachers speak Spanish too, and they can also assist in this language if needed.
4. Each user will need their own laptop to install and run the software only under Windows or Linux. A computer mouse is recommended, rather than a laptop touchpad.
5. The design software that will be used is PhoeniX Optodesigner. Free trial licenses will be given for the whole duration of the course, and a discounted purchase option will be available after the course for all attendees who want so. More information can be found at:

<http://www.phoenixbv.com/product.php?submenu=dfa&subsubmenu=3&prdgprID=3>

6. Lunches and coffee breaks are provided with the registration. Accommodation and dinner restaurants can easily be found nearby. Some easy access recommendations:

<http://www.galileogalilei.com/>

<http://sweethotelrenasa.com/>

<http://www.marriott.com/hotels/travel/vlcva-ac-hotel-valencia/>

<http://www.hotelprimusvalencia.com/>

7. The schedule of the course will be as follows:

DAY	SESSION	TIME	TOPIC
1 Wednesday 17th Jan	1A	09:30-11:00 h	Welcome, platform, design manual, software install
		11:00-11:15 h	Coffee break
	1B	11:15-13:15 h	Waveguides: guiding and sensing
		13:30-15:00 h	Lunch
	1C	15:00-16:30 h	Couplers
		16:30-16:45 h	Coffee break
	1D	16:45-18:45 h	Practice Waveguides & Couplers
DAY	SESSION	TIME	TOPIC
2 Thursday 18th Jan	2A	09:30-11:00 h	Mach-Zehnder Interferometer
		11:00-11:15 h	Coffee break
	2B	11:15-13:15 h	Ring resonator
		13:30-15:00 h	Lunch
	2C	15:00-16:30 h	Thermo-optics
		16:30-16:45 h	Coffee break
	2D	16:45-18:45 h	Design practice
DAY	SESSION	TIME	TOPIC
3 Friday 19th Jan	3A	09:30-11:00 h	Mask layout I
		11:00-11:15 h	Coffee break
	3B	11:15-13:15 h	Mask layout II
		13:30-15:00 h	Lunch
	3C	15:00-16:30 h	MPW run design practice I
		16:30-16:45 h	Coffee break
	3D	16:45-18:45 h	MPW run design practice II

8. Attendees will have the chance to fabricate the designs they have done or initiated during the training at an upcoming silicon nitride multi-project wafer run in CNM. Deadline for design submission in this case will be 28th February. A free option will be available, where all attendees will be able to include their designs, assuming they are willing to share the fabricated chips afterwards. If a larger size is required, special discounted prices are given below:

Cell type	Cell size	Discounted cell price
Small	5,5 x 1 mm	Free
Medium	5,5 x 5,5 mm	5.000€
Large	5,5 x 11 mm	7.000€

9. The EUIMWP (European Network for High Performance Integrated Microwave Photonics) COST Action (CA 16220) will offer a fixed grant (amount still to be confirmed) to those trainees coming from COST countries and Near Neighbour Countries (see the rules of eligibility in the COST Vademecum, downloadable here: <http://www.cost.eu/participate>). These grants will try to cover travel, accommodation and meals expenses of trainees during the attendance to the Training School. The grants will be given in a first come, first served basis and the transfer of the money will only be performed after the course, once checked the attendance against the signatures in the attendance lists.

To apply for a grant, please send the following documents to Pepa Bayarri, the Grant Holder Manager of the EUIMWP COST Action (ghmanager.upv@gmail.com):

- a) Registration form
 - b) A proof of affiliation from your university, research institute or company (copy of your contract, letter of your supervisor, etc.).
10. For any other questions or comments, you can reach us at info@vlcphotonics.com , our office number +34 96 133 78 84, or at the mobile +34 644 513 310 (Iñigo Artundo).

Thank you, and we look forward to meeting you in Valencia!

The VLC Photonics team

