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|  | **Design contest for first-time users** **of Si Photonics & SiN technology** |

Name: Click here to enter text.

Organization: Click here to enter text.

Contact email address: Click here to enter text.

Technology of choice Choose an item.

**Short description of the design (including design aspects and future application)**

*Please do not forget to also fill the full application description on the backside of this form.*

Click here to enter text – max 10 lines

Commitment:

 [ ]  the authors are committed to mention “CORNERSTONE Si Photonic/SiN technology and EUROPRACTICE MPW services” in related publications.

 [ ]  the authors are committed to give testimonial of “CORNERSTONE technology and EUROPRACTICE MPW services” in requested publications.

I, undersigned, hereby commit to pay to CORNERSTONE via EUROPRACTICE

* In case of requesting extra sets of Si Photonic or SiN die (on top of the 10 samples granted)

Name and signature: Date of signature:

*Conditions:*

* *Applicant has not used the selected CORNERSTONE technology before*
* *Active MPW batches are not available in this design contest*
* *Multiple applications can be submitted, but a maximum of 1 design per university can be approved.*
* *Note of interest to be submitted by 28th February 2022*
* *Final design to be submitted by 30th September 2022 or two weeks before your chosen MPW run*
* *The design has to be taped out on CORNERSTONE’s Si Photonics or SiN runs in 2022.*

Please make your note of interest of entering this design contest by completing this form and email a PDF version to Europractice.Gateway@tyndall.ie before February 28th, 2022.

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FULL APPLICATION DESCRIPTION OF PROPOSED DESIGN

*Short name of project:* Click here to enter text.

*Technology of choice* Choose an item.

*Application field:* Describe the intended field of application of the Si PIC design (max. 5 lines)

*Design methodology:* Describe the proposed Si PIC design and proposed design methodology (incl. tools) to be used (max. 20 lines)

*Main characteristics:* Describe the characteristics (e.g. complexity) and challenges in your design (max. 15 lines)

*Novelty:*  Describe the novelty of your design and make a comparison with state-of-the-art designs (in terms of key performance indicators (max. 15 lines)

Teaching/research evolution by your institute: Explain how your group will intend to use the results/experience of this design exercise in further research using design and fabrication and/or teaching activities addressing this. (max. 15 lines)