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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](mailto: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)