**Cohort 5 (2023 Intake) PhD Project Proposal Form**

**Project Dates: October 2024-September 2027**

**Please read the Guidance prior to completing this form. Please rename the document adding the Lead Supervisor’s surname as a PREFIX to the current title.**

*\* This information will be provided to students in the project catalogue.*

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| **1. PROJECT TITLE\*** a concise preliminary title  |
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| **2. PROPOSED UNIVERSITY SUPERVISORS:** |
| **Lead Supervisor\*** |  |
| **University\*** |  | **Email\*** |  |
| **Second CDT supervisor\*** |  Is the 2nd Supervisor an ECR? Yes/No |
| **University\***(must be different than Lead) |  | **Email\*** |  |
| **2.1. Supervisors' current PhD load:** |
| Current number of PhDs being supervised as 1st (or joint 1st) supervisor and start/end dates | Lead Supervisor | Second CDT Supervisor |
|  |  |
| **3. PROPOSED PROJECT** |
| **3.1 Description of the proposed project\*.** This is your ‘advertorial’for the project catalogue. Ensure that it describes an industrially relevant project and outlines the approaches that might be taken. (max. 200 words) |
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| **3.2 Background of student\*** all our students undertake the MSc in Compound Semiconductors, either the Physics or Engineering route. If your project is only suitable for students of one route, please state this. |
| MSc CS Physics Route students **Suitable/Not suitable** MSc CS ENGIN Route students **Suitable/Not suitable**If any specific background or specific module completion is required, please state here: |
| **3.3 Scientific excellence\*:** highlight the significance, originality and degree of challenge of the project, and the feasibility of its completion in 3 years (max. 100 words) |
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| **3.4 Research training\*:** highlight key skills/techniques that the project will develop e.g. use of novel/innovative technologies/approaches; exposure to cross-disciplinary working (max. 100 words) |
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| **3.5 Research Facilities:** provide details of facilities that will be used by the student **in addition** to those at the Home University or industrial partner (if any) |
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| **4. ESTIMATED PROJECT COSTS for the three-year PhD project** |
| **Consumables** |  |
| **Equipment Use/Access Charges**  |  |
| **Project Specific Training**  |  |
| **Conference Attendance & Travel** |  |
| **Total** |  |
| If the total exceeds £15,000, how will the excess costs be covered?  |  |
| **5. INDUSTRIAL PARTNER \*** |
| **Note ALL projects must have an industrial *partner*, but may be considered without industrial *funding* only if at the University of Sheffield (and received by the deadline).** Projects will be included in the catalogue *only* if confirmed by a letter or email of support from the Industrial Partner. |
| Company Name\* |  |
| Company address (for CAP form) |  |
| Contact Name |  | Email |  |
| Industry Supervisor *(if different than contact)* |  | Email |  |
| **Has the partner agreed to co-fund this project?**  **Yes**, please attach an email/letter that clearly states the commitment to a contribution of a minimum of **£43,200** split across three years. **No,** please describe the status of discussions. You have until 30 November to confirm partner support in writing.  |
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| Please describe the industrial involvement in the project (student placement, use of equipment, other):  |
|  |
| **6. REFERENCE LIST\*:** Provide a starting point for the student. Normally, 3 or 4 are sufficient.  |
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| **7. MSc PROJECT:** state general topic and/or title of the three-month MSc project.Note that the project must be capable of being carried out in Cardiff if the student is unable to change location until he start of the PhD. |
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| **8. IMPACTS:** Please highlight any issues or risks you foresee regarding the student’s ability to start and to perform the project within the funded period. |
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| **9. STUDENT NUMBERS** |
| Some topics may be broad enough that more than one student could undertake a project it. If so, how many students from Cohort 5 could undertake this project?  |  |
| If you are submitting **more than one project proposal** for Cohort 5, please state the total number of students that can be supervised **by you** from this Cohort. |  |
| **10. CONFIRMATION** |
| By submitting this proposal, I confirm that * I will ensure that the EPSRC Terms and Conditions are met.
* I and the co-supervisor(s) will participate in CDT CSM monitoring activities, supervisors’ meetings and cohort training and events, as requested.
* I and the co-supervisor(s) will make best efforts to ensure that the student selected for this project participates in CDT CSM activities.

Please delete as appropriate: I have completed my University’s training on ‘Equality, Diversity & Inclusion’ and ‘Avoiding Unconscious Bias’.OR I will complete the above training by the time of project interviews in February 2024.Signed: *If no electronic signature is available, then your typed name will be deemed a signature for the purposes of this confirmation.* |

**Proposals must be submitted by 30 September 2023 in WORD format** to

semiconductors-cdt@cardiff.ac.uk.