Mathematical Sciences project call - UCL EPSRC DTP 🔊

Prospective supervisors should submit their application via this form, according to the guidance at https://www.ucl.ac.uk/epsrc-doctoral-training/ucl-epsrc-dtp-call-projects-mathematical-sciences (https://www.ucl.ac.uk/epsrc-doctoral-training/ucl-epsrc-dtp-call-projects-mathematical-sciences).

Closing date: 14:00 on 25-Feb-2021

Hi Helen, when you submit this form, the owner will be able to see your name and email address.

* Required

1. Primary supervisor's name *

   This person is designated the "lead applicant" and the same name will need to be supplied in the departmental support form submission

2. Primary supervisor's UCL email address *

3. Preferred contact name - if different from the primary supervisor

   The outcome will be communicated to the lead applicant unless an alternative contact is supplied

4. Preferred contact's UCL email address - if different from the primary supervisor

The outcome will be communicated to the lead applicant unless an alternative contact is supplied

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5. Primary UCL Faculty and Department *

This should be the supporting faculty and department of the application (it is the HoD of this department who needs to submit the departmental support form)

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6. Secondary supervisor's name *

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7. Additional supervisor names

If there are additional supervisors, please enter their name(s) here separated by comma

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8. Project Title *

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9. Project Summary - max 200 words *

The summary should include they key aims/goals of the project and the skills the student will be trained in. Where the project is aligned with a wider programme of research, this should be stated but the summary should focus on the specific project/work the student will undertake. The summary should be understandable for a wide academic audience who may not be experts in your specific field.

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10. Supervisory arrangements - max 100 words *

Explain why this supervisory team is best suited to this studentship project. Make reference to the track record and complementary strengths of the proposed supervisory team. Please indicate whether any members of the team are ECRs (early career researchers).

Note that if this application is successful, the student recruited will be fully registered for 4 years (rather than 3 years + 1 year CRS) with the expectation that they will be supervised in a way that facilitates them submitting within the 4 year period. Please take this into account when calculating supervision load of the proposed supervisors.

11. Do you have proposed project partners (eg industry)? *

○ No

○ Yes

If yes is selected extra questions will appear - see last page of this file

EPSRC remit

All projects must lie within EPSRC's mathematical sciences remit. Please provide at least 1 and up to 3 of EPSRC's research areas within the mathematical sciences theme (https://rebrand.ly/p2t2ggm (https://rebrand.ly/p2t2ggm)) that this project fits within.
Make sure you read EPSRCs definition/explanation of how they view each research area.

Researchers in the mathematical physics and related areas should also read EPSRCs guidance on determining which projects fall into EPSRC or STFC remit (epsrc.ukri.org/research/ourportfolio/themes/mathematics/introduction/mathphysics/ (http://epsrc.ukri.org/research/ourportfolio/themes/mathematics/introduction/mathphysics/))

29. Research Area 1 *

○ Algebra

○ Artificial intelligence technologies

○ Coastal and waterway engineering

○ Complexity science

○ Continuum mechanics

○ Fluid dynamics and aerodynamics

○ Geometry and topology

○ Logic and combinatorics

○ Materials engineering - ceramics

○ Materials engineering - composites

○ Materials engineering - metals and alloys

○ Mathematical analysis

○ Mathematical Biology

○ Mathematical physics

○ Non-linear systems

○ Number theory

○ Numerical analysis

○ Operational Research

○ Performance and inspection of mechanical structures and systems

○ Quantum devices components and systems

○ Quantum fluids and solids

○ Quantum optics and information

○ Statistics and applied probability

○ Synthetic biology

○ Theoretical Computer Science

○ Whole energy systems

30. Research Area 2

Options are the same as in question 29 above

31. Research Area 3

Options are the same as in question 29 above

Declaration

32. I confirm on behalf of myself and my co-applicants that by submitting a project proposal we accept responsibility for the studentship if awarded. This includes performing the necessary due diligence surrounding the recruitment procedure and all necessary EPSRC reporting, and the administration of the studentship throughout its lifetime in line with EPSRC, UKRI and UCL requirements. *

☐ Yes

33. I confirm that I will ensure my HoD (or appropriate delegate) submits their statement of support via the online form at https://rebrand.ly/uedmpch (https://rebrand.ly/uedmpch) *

☐ Yes

34. I understand that my application will not be considered if a corresponding departmental support statement is not submitted via the form at https://rebrand.ly/uedmpch (https://rebrand.ly/uedmpch) *

☐ Yes

Project partners

DTP studentships may be converted to DTP-CASE studentships if they meet the criteria. They may also be co-funded from another source by up to 50%, or have in-kind contributions from partners. Guidance on requirements for DTP-CASE conversion and partner involvement is available in the website FAQ (https://www.ucl.ac.uk/epsrc-doctoral-training/epsrc-doctoral-funding-staff-portal#faqs (https://www.ucl.ac.uk/epsrc-doctoral-training/epsrc-doctoral-funding-staff-portal#faqs)).

Please list any partners in this project below. For each partner state their sector (eg HEI, large company, SME, spin-out, charity, etc); value of cash contribution; estimated value of in-kind contribution; and how they will be involved in the project (max 50 words). If there are more than 2 partners enter the main partner as partner 1 and combine the details for the others in to the boxes for partner 2.

A letter of support from each partner (on headed paper as PDF file) must be submitted in this form.

12. Partner 1 organisation name *

13. Partner 1 sector *

○ Charity

○ HEI (Higher Education Institute)

○ Large Company

○ NHS Trust

○ SME (Small to medium enterprise)

○ UCL spin-out or start-up

○ Other spin-out or start-up

○
Other

14. Partner 1 cash contribution *

Please enter the cash contribution in pounds

The value must be a number

15. Partner 1 in-kind contribution *

Please estimate the value of the in-kind contribution in pounds

[   ]

The value must be a number

16. Partner 1 involvement - max 50 words *

Briefly state how the partner will be involved

[   ]

17. Do you need to add a second partner? *

○ No

○ Yes

18. Partner 2 organisation name *

[   ]

19. Partner 2 sector *

○ Charity

○ HEI (Higher Education Institute)

○ Large Company

○ NHS Trust

○ SME (Small to medium enterprise)

○ UCL spin-out or start-up

○ Other spin-out or start-up

○ [   ]

Other