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### PhD Studentship in Space Instrumentation (MicroADS Mission), University of Sussex, UK

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Applications are invited for a prestigious fully-funded 3 year PhD studentship in Space Instrumentation at the **University of Sussex**. The successful applicant will join the MicroADS mission team in the Space Research Group. MicroADS is a novel satellite attitude determination system which offers star-tracker levels of performance in a much smaller instrument. It is anticipated that MicroADS will be flown on a LEO demonstrator mission in c.2021.



#### Type of award

Postgraduate Research

#### About the PhD Studentship

You will work on developing the MicroADS instrument hardware and on board instrument software, with the exact split between these activities determined by your aptitude and the instrument's needs. Your work will include development and characterisation of the instrument optics, electronics, and interfaces with spacecraft systems. The PhD requires a strong practical/experimental background in physics and/or spacecraft engineering.

#### About the Space Research Group

The Space Research Group conducts fundamental and applied work in a variety of areas related to space science, spacecraft engineering, and high performance hardware for terrestrial environments. The group is particularly well known for its world-leading contributions in: X-ray spectrometers for astronomy and planetary science;  $e^-$  spectrometers for space plasma physics; radioisotope microbatteries; compound semiconductor material physics; spacecraft GNC systems; and extreme environment instrumentation. The Space Research Group is entrepreneurial, business-focused, and committed to the highest quality of scientific research.

#### About the PhD supervisor

The PhD will be supervised by Prof. Anna M. Barnett. Prof. Barnett is Professor of Space Research and Director of the Sussex Space Research Group. She is an experimental physicist with internationally recognised expertise in detector physics and instrumentation for space science and extreme terrestrial environments (high temperature, intense radiation). As of April 2018, Prof. Barnett holds research funding totalling >£2M in value. She has won numerous prizes and awards including the 2016 Philip Leverhulme Prize, and she is the youngest person ever awarded a Personal Chair at University of Sussex (equivalent to a US Full Professor with Tenure).

#### Amount

The PhD studentship will include a 3 year tax-free stipend at standard postgraduate rates (currently £14,940 per year) and fees as follows: (a) UK/EU applicants, full fees; (b) overseas applicants, a contribution of up to £12,000 towards overseas fees in some cases.

#### Eligibility

Applications are invited from individuals with a good Bachelor's or Master's degree in Physics, Spacecraft

Engineering, or a comparable subject. A strong practical background and a deep work ethic are required.

University of Sussex is committed to equality and diversity. Applications are welcomed from all.

### Deadline

25 May 2018 17:00 (GMT)

### How to apply

Applications must be submitted via the University of Sussex Postgraduate Admissions System at <http://www.sussex.ac.uk/study/phd/apply>. Please indicate on the form that you wish to be supervised by Prof. Anna M. Barnett. Please do include a full CV, covering letter, and one page statement explaining your motivation for wishing to undertake a PhD in space instrumentation. A research proposal is not required.

### Contact us

Informal enquiries about the position are welcome and may be addressed to Prof. Anna M. Barnett ([Anna.Barnett@sussex.ac.uk](mailto:Anna.Barnett@sussex.ac.uk)).

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  2. [Full Tuition Fee Scholarships for International Students, University of the West of England, UK](#)
  3. [Fully Funded GCE A Level Scholarships for Indonesian Students, Singapore](#)
  4. [Full Tuition Fee Scholarships for Female Students from Developing Countries, Swansea University, UK](#)
  5. [Living Allowance + Tuition Fees Doctoral Scholarships, University of Waikato, New Zealand](#)
  6. [Fully Funded Art Major Asian Scholarships, Korea National University of Arts, South Korea](#)
  7. [Full Tuition Fee + Grant, MSc in Engineering Scholarships, University of Southern Denmark](#)
  8. [Fully Funded Scholarships, Bond University, Australia](#)
  9. [Full Tuition Fee LLM Scholarships, Queen Mary University of London, UK](#)
  10. [Music Scholarships, Musicians Institute, USA](#)
  11. [Full Tuition + Allowance Undergraduate Scholarships, Korea Advanced Institute of Science and Technology \(KAIST\), South Korea](#)
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  5. [MSc International Master Project Management Scholarships, University of Strathclyde, UK](#)
  6. [International Office Scholarship, Bath Spa University, UK](#)
  7. [Professional Graduate Diploma in Education \(PGDE\) International Scholarship, University of Strathclyde, UK](#)
  8. [ArtEZ Talent Scholarship for Non-EU/EEA Students, Netherlands](#)
  9. [PhD Studentships, Department of Physics & Astronomy, University of Sussex, UK](#)
  10. [Scholarship for International Baccalaureate \(IB\) Graduates, University of Technology Sydney, Australia](#)
  11. [PhD Scholarships - Singapore University of Technology and Design](#)
  12. [Vice-Chancellor's PhD Scholarship \(VCPS\), RMIT University, Australia](#)
  13. [PhD Studentships in Experimental Particle Physics, University of Sussex, UK](#)
  14. [Beasiswa BCA Finance 2018 untuk PTN & PTS Seluruh Indonesia](#)
  15. [MSc in Engineering Scholarships, University of Southern Denmark](#)
  16. [LLM in Energy and Natural Resources Law Scholarships, Queen Mary University of London, UK](#)
  17. [Vice Chancellor's International Scholarships, Newcastle University, UK](#)
  18. [Vice-Chancellor's Excellence Scholarships Postgraduate, Newcastle University, UK](#)
  19. [UNSW Art & Design International Scholarship, Australia](#)
  20. [MBA Advanced Scholarships, Curtin University, Australia](#)
  21. [Millennium Development Scholarship, University of the West of England, UK](#)
  22. [Chancellor's Scholarship, University of the West of England, UK](#)
  23. [Master Scholarships, Institute for Transport Studies, University of Leeds, UK](#)
  24. [International Doctoral Scholarships in Engineering, Kochi University of Technology, Japan](#)
  25. [MSc International Management Scholarship, University of the West of England, UK](#)
  26. [UQ Graduate School Scholarships \(UQGSS\), University of Queensland, Australia](#)
  27. [Science International Scholarships, University of Queensland, Australia](#)
  28. [Westminster Full International Scholarship, University of Westminster, UK](#)
  29. [Public Health International Excellence Scholarship, University of Salford, UK](#)
  30. [Nanyang President's Graduate Scholarships \(NPGS\), Nanyang Technological University \(NTU\), Singapore](#)
  31. [Beasiswa S2 Magister Manajemen, PPM School of Management, Indonesia](#)
  32. [ANU-Study Canberra Indonesia Scholarship, Australian National University, Australia](#)
  33. [Master of Business Administration \(MBA\) Scholarships, University of the West of England, UK](#)

34. [International Excellence Scholarship, University of Waikato, New Zealand](#)
35. [Merit International Postgraduate Scholarship, Edith Cowan University, Australia](#)
36. [University of Waikato Doctoral Scholarship, New Zealand](#)
37. [MBA Scholarships for Women, Berlin School of Economics and Law, Germany](#)
38. [MA Game Art Scholarship, Pearson College London, UK](#)
39. [PhD Studentships in History and Geography, Dublin City University, Ireland](#)
40. [University of Glasgow Chancellors Award, UK](#)
41. [Stuart Hall Scholarship, University of Sussex, UK](#)
42. [Full Fee Scholarships, University of Adelaide, Australia](#)
43. [UTS Science International Undergraduate Scholarship for Excellence, University of Technology Sydney, Australia](#)
44. [Think Big Postgraduate Scholarships, University of Bristol, UK](#)
45. [Think Big Undergraduate Scholarships, University of Bristol, UK](#)
46. [Civil and Structural Engineering PhD Scholarship, Curtin University, Australia](#)
47. [International Excellence Scholarship, Anglia Ruskin University, UK](#)
48. [PhD Scholarships in Intellectual Property, Queen Mary University of London, UK](#)
49. [LPDP Scholarships, University of Twente, Netherlands](#)
50. [Undergraduate Scholarships, Korea Advanced Institute of Science and Technology \(KAIST\)](#)
51. [Master & PhD Scholarships in Agriculture by SEARCA](#)
52. [GMAT Excellence Awards, Imperial College London, UK](#)
53. [Imperial Business Scholarships, Imperial College London, UK](#)
54. [School of Geography Scholarships, University of Leeds, UK](#)
55. [Stirling Management School International Ambassador Scholarships, UK](#)
56. [University of Adelaide Matching Scholarships, Australia](#)
57. [Masters Scholarships for International Students, Durham University Business School, UK](#)
58. [Implications of Environmental Variability on Marine Microbes ARC Scholarship, University of Technology Sydney, Australia](#)
59. [Information Technology Masters Scholarship for Outstanding International Students, University of Technology Sydney, Australia](#)
60. [Engineering \(Technical\) Masters Scholarship for Outstanding International Students, University of Technology Sydney, Australia](#)
61. [Strathclyde Prestige Award for Excellence in Media & Communication, UK](#)
62. [Kamal Adham Fellowship for Television and Digital Journalism, The American University in Cairo, Egypt](#)
63. [Graduate Research Scholarships, University of Melbourne, Australia](#)
64. [Engineering \(Management\) Masters Scholarship for Outstanding International Students, University of Technology Sydney, Australia](#)
65. [International Undergraduate Excellence Scholarship, Bond University, Australia](#)
66. [Information Technology International Undergraduate Excellence Scholarship, University of Technology Sydney, Australia](#)
67. [Engineering International Undergraduate Excellence Scholarship, University of Technology Sydney, Australia](#)
68. [International Research Training Program Scholarship \(IRTP\), University of Technology Sydney, Australia](#)
69. [Eira Francis Davies Scholarship, Swansea University, UK](#)
70. [Leeds Doctoral Scholarships, University of Leeds, UK](#)
71. [Art Major Asian \(AMA\) Scholarship, Korea National University of Arts](#)
72. [Bond University Postgraduate Research Scholarship \(BUPRS\), Australia](#)
73. [Research Training Program \(RTP\) Stipend Scholarship, Bond University, Australia](#)
74. [Postgraduate Research Studentships, Queen Mary University of London, UK](#)
75. [International Research Tuition Scholarship \(IRTS\), University of South Australia](#)
76. [Bachelor in International Business Scholarships, IÉSEG School of Management, France](#)
77. [International MBA Scholarships, IÉSEG School of Management, France](#)
78. [MSc in International Business Negotiation Scholarships, IÉSEG School of Management, France](#)
79. [Master of Science in Finance Scholarships, IÉSEG School of Management, France](#)
80. [MSc in Accounting, Audit & Control Scholarships, IÉSEG School of Management, France](#)
81. [MSc in Business Analysis and Consulting Scholarships, IÉSEG School of Management, France](#)
82. [MSc in Digital Marketing & CRM Scholarships, IÉSEG School of Management, France](#)
83. [Master Degree Scholarships, Walden University, USA](#)
84. [MSc Scholarships in Big Data Analytics for Business, IÉSEG School of Management, France](#)
85. [MSc Scholarships in Fashion Management, IÉSEG School of Management, France](#)
86. [MSc in Investment Banking & Capital Markets Scholarships, IÉSEG School of Management, France](#)
87. [International Undergraduate Merit Scholarship, Edith Cowan University, Australia](#)
88. [2018 DJ Program Scholarship, Musicians Institute, USA](#)
89. [ASEAN Scholarships for Indonesia by Ministry of Education, Singapore](#)
90. [Musicianship Scholarships, Musicians Institute, USA](#)
91. [International Musicians Merit Scholarship, Musicians Institute, USA](#)
92. [Independent Artist Scholarships, Musicians Institute, USA](#)
93. [Universal Citywalk Hollywood Music Business Entrepreneur Scholarship, Musicians Institute, USA](#)
94. [City National Bank Music Business Scholarship, Musicians Institute, USA](#)

95. [MSc / MBA International Student Scholarship, Curtin University, Australia](#)
96. [University of Surrey International Scholarship for Engineering and Physical Sciences, UK](#)
97. [LA Breakfast Club Foundation Bachelor of Music Performance Scholarship, Musicians Institute, USA](#)
98. [MBA International Student Scholarship, Curtin University, Australia](#)
99. [Melodic Soloing Scholarship, Musicians Institute, USA](#)
100. [Pat Hicks Memorial Guitar Scholarship, Musicians Institute, USA](#)
101. [Chuck Silverman Memorial Drum Scholarship, Musicians Institute, USA](#)
102. [PhD Scholarships in Chemical Engineering, Imperial College London, UK](#)
103. [Seymour Duncan Bass Scholarship, Musicians Institute, USA](#)
104. [Research Training Program international \(RTPi\) Scholarships, University of South Australia](#)
105. [Deakin Vice-Chancellor's International Scholarship, Deakin University, Australia](#)
106. [MBA Scholarships, University of Glasgow, UK](#)

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Last updated: 16 May 2018