



**University of  
Nottingham**

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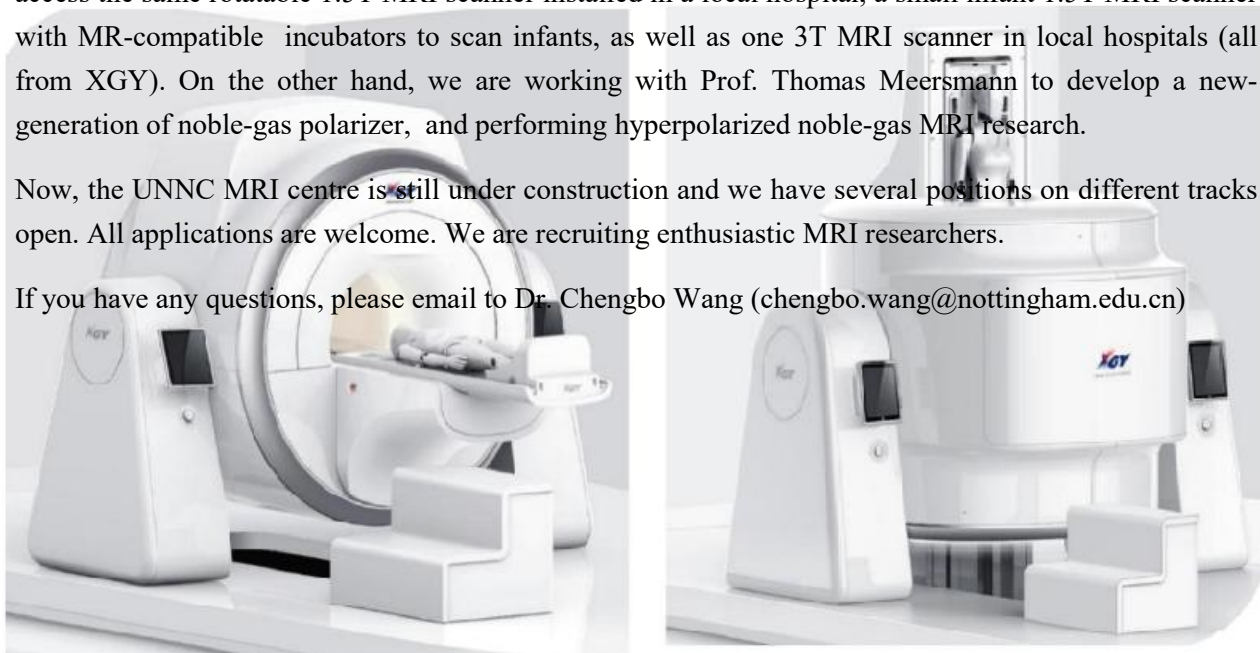
## **Associate Professor in Magnetic Resonance Imaging**

The Magnetic Resonance Imaging (MRI) Research Centre in the University of Nottingham Ningbo China (UNNC) was founded in 2018, and is an integral part of the Sir Peter Mansfield Imaging Centre ([SPMIC](#)) in the University of Nottingham in UK (UNUK). The MRI Research Centre in UNNC develops and applies magnetic resonance techniques in a broad range of areas, including researches on both hardware and software of MRI techniques. The key research topics include:

The MRI Research Centre in UNNC is led by Dr. Chengbo Wang (UNNC). Currently, we are collaborating with a local MRI manufacture: Ningbo XinGaoYi Medical Equipment Co. Ltd and have access to their full product lines. We are installing one 1.5T rotatable cryogen-free MRI in the lab, can access the same rotatable 1.5T MRI scanner installed in a local hospital, a small infant 1.5T MRI scanner with MR-compatible incubators to scan infants, as well as one 3T MRI scanner in local hospitals (all from XGY). On the other hand, we are working with Prof. Thomas Meersmann to develop a new-generation of noble-gas polarizer, and performing hyperpolarized noble-gas MRI research.

Now, the UNNC MRI centre is still under construction and we have several positions on different tracks open. All applications are welcome. We are recruiting enthusiastic MRI researchers.

If you have any questions, please email to Dr. Chengbo Wang ([chengbo.wang@nottingham.edu.cn](mailto:chengbo.wang@nottingham.edu.cn))



**Application Webpage: <https://jobs.nottingham.edu.cn/job/184240/>**



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# Job Summary

Reference number

**184240**

Job family

**Academic**

Contract status

**Full-Time**

Closing Time

**2025-09-06**

Salary

**635038 RMB to 780622 RMB per annum, depending on skills and experience. Salary progression beyond this scale is subject to performance**

*Join a unique British University in China.* The University of Nottingham Ningbo China (UNNC) was the first Sino-foreign university to open its doors in China. This award winning campus offering a UK style education has grown to establish a student body of over 10,000 in just 21 years.

The University of Nottingham Ningbo, China, a pioneer in Sino-foreign tertiary education, is rapidly expanding. It is looking for ambitious, talented academics with a passion for teaching as well as research flair to join its team of science and engineering experts. UNNC is part of the University of Nottingham's Global University, and offers unique teaching and research opportunities in a highly dynamic economy.

The successful candidate will be expected to make a significant leadership impact within their academic unit and in the research and teaching area of magnetic resonance imaging (MRI). The role holder will be expected to contribute to teaching and curriculum development for undergraduate and postgraduate programmes in the Department of Electrical and Electronic Engineering, to play a lead role in collaborative research projects and conduct ongoing original research and publications in the areas of Magnetic Resonance Imaging (MRI). This post also be linked to research activities linked to the University's research platforms such as the UNNC Sir Peter Mansfield MRI Centre.

Candidates must have a PhD degree in the related field, sufficient research experience with evidence of publication record, and the evidence of demonstrated success in delivering teaching within an agreed quality framework. Excellent English oral, written, and listening skills, ability to manage resources and an understanding of management processes and ability to build relationships and collaborate with others, internally and externally are also essential.

Salary will be within the range of 635,038 RMB to 780,622 RMB per annum depending on skills and experience (salary progression beyond this scale is subject to performance). In addition, an attractive package including employment support allowance, schooling and insurance will be provided for international appointments.

The post will initially be offered on a fixed term contract with the University of Nottingham, Ningbo, China for a period of five years starting September 2025 or as soon as thereafter.

Informal enquiries may be addressed to: Dr C.F. Kwong, Department Head of Electrical and Electronic Engineering, email: [chiew-foong.kwong@nottingham.edu.cn](mailto:chiew-foong.kwong@nottingham.edu.cn). Please note that applications sent directly to this email address will not be accepted.

**Interviews will take place in Ningbo, China, if feasible – virtual interviews may also held. Please be advised that normally your references will be contacted prior to the interview.**

For more details and/or to apply on-line please access:

<https://jobs.nottingham.edu.cn/job/184240/>

If you are unable to apply on-line please contact the Human Resources Department, Tel: 86 574 8818 000 (Ext. 8404), Email: [Job@nottingham.edu.cn](mailto:Job@nottingham.edu.cn).



|                          |  |
|--------------------------|--|
| <b>Job Title</b>         | Associate Professor in Magnetic Resonance Imaging  |
| <b>School/Department</b> | Department of Electrical and Electronic Engineering  |
| <b>Job Level</b>         | UNNC Scale B Level 6   |
| <b>Job Family</b>        | Research and Teaching  |
| <b>Contract Status</b>   | This post is available from August 2025 and will initially be offered on a fixed-term contract with the University of Nottingham Ningbo China for a period of up to five years and a probation period of 6 months. |
| <b>Location</b>          | University of Nottingham Ningbo China  |
| <b>Hours of Work</b>     | Irregular working hours  |
| <b>Responsible to</b>    | Head of Department of Electrical and Electronic Engineering  |

## Purpose of role:

The role holder will be expected to make a significant leadership impact within their academic unit and in the research and teaching area of Power Electronics, Machines and Drives.

The role holder will be expected to contribute to teaching and curriculum development for undergraduate and postgraduate programmes in the Department of Electrical and Electronic Engineering, to play a lead role in collaborative research projects and conduct ongoing original research and publications in the areas of Magnetic Resonance Imaging (MRI). This post also be linked to research activities linked to the University's research platforms such as the UNNC Sir Peter Mansfield MRI Centre.

The role holder may have line management responsibilities including the responsibility for the professional development of the Department and contribute to the overall administration of the Department.

|                 | <b>Main responsibilities</b><br>(Primary accountabilities and responsibilities expected to fulfil the role)   | <b>% time per year</b> |
|-----------------|---|------------------------|
| <b>Research</b> |   | <b>40</b>              |
| 1               | To provide academic and organisational leadership to those working within Power Electronics, Machines and Drives research area(s), by for example co-ordinating resources, the work of others to ensure the effective delivery of research projects and agree objectives and work plans with the team.  | 5                      |
| 2               | To act as the principal investigator on major research projects within the area of Power Electronics, Machines and Drives. Investigate and devise new research methods, generate new research approaches and contribute generally to the development of thought and practice in the field of Power Electronics, Machines and Drives .                           | 5                      |
| 3               | To interpret findings, review and synthesise the outcomes of research projects in Power Electronics, Machines and Drives and apply to research and teaching practice, where appropriate.  | 5                      |
| 4               | To develop and sustain an ongoing national reputation as a research leader in Power Electronics, Machines and Drives , through original research work. Disseminate and explain research findings through leading peer-reviewed national and international publications, and present or exhibit at national/ international conferences and other similar events. | 10                     |

|                 |   |           |
|-----------------|---|-----------|
| 5               | To develop proposals for research projects which will make a significant impact by leading to an increase in knowledge and understanding and the discovery or development of new explanations, insights, concepts or processes.   | 5         |
| 6               | To lead major funding bids which develop and sustain research support for the Power Electronics, Machines and Drives specialist area and develop research initiatives to foster collaboration and generate income.  | 5         |
| 7               | To contribute to the development of research strategies and the teaching and learning policy in the School/Faculty of Power Electronics, Machines and Drives.   | 2         |
| 8               | To lead and develop internal (e.g. by chairing/participating in University Committees) and external relationships (e.g. external examiners/assessors and/or active researchers) to foster future collaboration.   | 3         |
| <b>Teaching</b> |   | <b>40</b> |
| 9               | To contribute to the curriculum leadership and the teaching and learning programmes in the Power Electronics, Machines and Drives academic unit e.g. through delivery of Power Electronics, Machines and Drives advanced lectures to staff and/or delivery of course modules.   | 20        |
| 10              | To resolve problems affecting the quality of course delivery and student progress within the area of Power Electronics, Machines and Drives, referring more serious matters to others, as appropriate.  | 5         |
| 11              | Disseminate conceptual and complex ideas to a wide variety of audiences using appropriate media and methods to promote understanding.   | 15        |
| <b>Other</b>    |   | <b>20</b> |
| 12              | Be responsible for administrative duties in areas such as admissions, timetabling, examinations, student attendance, and represent the school on various committees and working groups in the wider University and outside of the University and managing or monitoring assets and budgets allocated as part of the role. | 10        |
| 13              | To participate in training and staff development events as trainer or trainee as appropriate.   | 2         |
| 14              | To maintain appropriate professional development, expertise and awareness.  | 3         |
| 15              | To undertake other tasks and responsibilities as may reasonably be required.  | 5         |

## Person specification

|  | Essential  | Desirable   |
|--|--|---|
| <b>Qualifications, certification and training (relevant to role)</b> | <ul style="list-style-type: none"> <li>Higher Education teaching qualification or equivalent.</li> <li>PhD in relevant subject area.</li> </ul>  | <ul style="list-style-type: none"> <li>Membership of a professional body where appropriate.</li> </ul>  |
| <b>Skills</b>  | <ul style="list-style-type: none"> <li>Excellent English oral, written, and listening skills, including the ability to communicate with clarity on complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media.</li> <li>Ability to manage resources and an understanding of management processes.</li> </ul> | <ul style="list-style-type: none"> <li>Ability to devise, advise on and manage learning and research programmes.</li> <li>Emerging skills in managing and motivating staff.</li> <li>Project based teaching experience.</li> <li>Experience teaching telecommunications and photonics (or related topics) to undergraduate students.</li> </ul> |

|                                 |   |  |
|---------------------------------|---|--|
|                                 | <ul style="list-style-type: none"> <li>▪ High level analytical capability to facilitate conceptual thinking, innovation and creativity.</li> <li>▪ Skills in counselling, pastoral care and motivating students.</li> <li>▪ Ability to build relationships and collaborate with others, internally and externally.</li> </ul>   | <ul style="list-style-type: none"> <li>▪ Translational skills for knowledge transfer to industry or commercialisation.</li> </ul>  |
| <b>Knowledge and experience</b> | <ul style="list-style-type: none"> <li>▪ Sufficient breadth or depth of specialist knowledge in the discipline to develop research programmes and methodologies.</li> <li>▪ Experience of developing research methodologies and devising models, approaches, techniques, critiques and methods.</li> <li>▪ Research experience within subject specialism.</li> <li>▪ Experience and achievement in chosen field, reflected in growing and consistent national reputation.</li> <li>▪ Evidence of publication record.</li> <li>▪ Experience and demonstrated success in delivering teaching within an agreed quality framework.</li> </ul> | <ul style="list-style-type: none"> <li>▪ International reputation in specialist field which continues to grow.</li> <li>▪ Experience, achievement and growing reputation in the discipline, reflected in relevant national committee memberships, and/or involvement in national research events.</li> <li>▪ A consistent track record of published research in peer reviewed journals.</li> <li>▪ Extensive experience and demonstrated success in delivering research results.</li> <li>▪ Experience of devising, advising on and managing learning and research programmes.</li> <li>▪ Experience of counselling, pastoral care and motivating students.</li> </ul> |
| <b>Personal Attributes</b>      | <ul style="list-style-type: none"> <li>▪ Ability to work collaboratively in a multidisciplinary environment.</li> <li>▪ Ability to work effectively in a multi-cultural environment.</li> <li>▪ Ability and motivation to lead an independent successful research programme.</li> <li>▪ Ability to work to deadlines and to prioritise tasks.</li> </ul>  | <ul style="list-style-type: none"> <li>▪ Evidence of leadership quality in leading a team to achieve a task/project.</li> <li>▪ Ability to attract students (undergraduate and postgraduate) to come and study at the University of Nottingham Ningbo China</li> </ul>   |

## Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

|                           |  |
|---------------------------|--|
| <b>Valuing people</b>     | Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.   |
| <b>Taking ownership</b>   | Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.  |
| <b>Forward thinking</b>   | Driven to question the status quo and explore new ideas, supporting the team to "lead the way" in terms of know-how and learning.  |
| <b>Professional pride</b> | Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.   |
| <b>Always inclusive</b>   | Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections. |

## Key relationships with others

