



**UNIVERSITY OF LINCOLN
JOB DESCRIPTION**

JOB TITLE	Professor/Director of Lincoln Centre for Energy Materials				
DEPARTMENT	College of Health and Science / School of Chemistry				
LOCATION	Lincoln Campuses				
JOB NUMBER	CHS017	GRADE	SMG	DATE	July 2023
REPORTS TO	DPVC College of Health and Science				

CONTEXT

The role holder will be Director of the newly-established Lincoln Centre for Energy Materials (LCEM), and Professor of Energy Materials.

Sustainable Energy is one of the five key areas identified for strategic growth in the University, and the new Centre aligns with this and the opportunity afforded by the rapid growth of our outstandingly-successful School of Chemistry. The School already has a growing focus on Energy Materials, having recruited eight academic staff, predominantly early career, in this broad area recently.

The region has substantial chemical and high-intensity energy use industries, focused around the Humber ("the Energy Estuary"), which has been identified as a key region for sustainable energy development. To serve this growing demand the University has recently opened The Bridge, a support organisation providing high-value services to regional industry and with outstanding materials science capabilities. The Greater Lincolnshire Local Enterprise Partnership, which funded The Bridge, has a close collaborative partnership with the University, with mutually-supportive and coordinated industrial and research strategies. The Bridge is based on the Lincoln Science and Innovation Park (LSIP), a partnership between the University and the Lincoln Cooperative, which provides a home to start-ups and science SMEs.

The University has multiple research centres which are expected to collaborate fruitfully with LCEM, including in Computational Physics, and in Engineering, and more widely potentially in Biosciences, Autonomous Systems, Agri-tech, and Machine Learning.

JOB PURPOSE

To establish and grow the Lincoln Centre for Energy Materials. The University will pump-prime the new Centre at start-up, in addition to the significant recent academic recruitment; the Director will secure external funding to grow the Centre (in particular, research grants, potentially in due course regional funding), and mentor early-career researchers in securing their own grants. In the medium term this will include substantial grant income for core activity funding and/or capital investments.

To establish strong collaborative relationships with internal stakeholders, including The Bridge, computational physics, engineering, and other research centres and groups.

To establish strong collaborative relationships with external stakeholders, including CATCH, the Freeport, Humber Energy Park, and other major organisations in the Humber Estuary, with a focus on industrial decarbonisation.

To coordinate energy materials research and knowledge exchange activity across the University, including challenge-based and interdisciplinary research.

To maintain a strong personal research profile in Energy Materials, including research outputs, grants and impacts.

To provide academic leadership and mentoring to academic members of LCEM, and line management to research and/or professional service colleagues reporting directly into LCEM.

To contribute to the improvement of the wider research culture, including within the School and College.

To play a collaborative leadership role in developing the wider Sustainable Energy and Materials portfolios of the University, including in teaching and learning.

To develop and maintain a strategy and Business Plan for LCEM, and to secure approval for, and report on progress against, the strategy and plan.

KEY RESPONSIBILITIES & ACCOUNTABILITIES

Management of the Lincoln Centre for Energy Materials

- Be responsible for the overall management and strategic direction of LCEM, including the creation and monitoring of the Centre's business plan
- Line management of staff directly assigned to the Centre as well as overseeing the research activities of academic members of the Centre;
- Undertake recruitment of Centre staff and scoping of roles associated with the Centre
- Oversee the promotional aspects of the Centre, including the website; liaising with the internal PR and communications teams over research-related website and content, as well as press opportunities
- Management of the Centre's budget and resources
- Prepare reports on the Centre's activity and success for consideration by the Management Board and University;
- Membership of committees and/or working groups, as appropriate.
- Liaise with relevant external, national/regional and international agencies/organizations/groups/ individuals

Oversight of Energy Materials Research

- Provide visible and effective academic leadership at a university-wide level around Energy Materials related research and knowledge exchange;
- Advise senior leadership on priorities for investment and development in Energy Materials research and other educational activities;
- Contribute to establishment and maintenance of key relationships with external Energy Materials stakeholders, including regional support organisations, government agencies, and relevant companies.
- Ensure the Centre's research is aligned with regional sector priorities.
- Act as convenor for internal Energy Materials research activities;
- Liaise with Global Opportunities over research-related partnerships;
- Ensure that the LCEM works closely with other Institutes and Centres within the University, and with Colleges;
- Contribute to broader University strategy to grow Energy Materials activities including in educational contract and standard taught provision

Research

- Maintain an internationally excellent track record in research outputs in Energy Materials, suitable for submission to REF or successor audits;
- Generate significant research impacts (e.g. patents, licenses, consultancy, commercialization, policy or practice influence);
- Lead and manage collaborative research projects;
- Recruit and supervise postgraduate research students;
- Enhancing the research environment of the University through wider engagement at College/University level, chairing external bodies, organising conferences and senior engagement with major stakeholders
- Coaching and mentoring other colleagues in the development of their research profiles.

Teaching and Learning

Professors are expected to contribute towards teaching delivery and the creation of an engaging and innovative teaching environment that supports effective student learning and a high-quality student experience.

Professors are expected to contribute to the subject portfolio of programmes, including postgraduate/research degrees by:

- Undertaking teaching and carrying out all related activities, achieving sustained levels of student progression and feedback
- Leading on research-engaged teaching in subjects and areas related to the post-holder's research and developing initiatives based on feedback which evidences impact
- Leading on improved approaches to teaching and learning, informed by pedagogic research and engagement with practice, within their own subject area(s), across the Department/School and ideally beyond the University
- Collaborating with colleagues in curriculum development and the advancement of the discipline within the University and disseminate best practice in teaching and learning
- Conducting academic administration, including contribution to programme and/or unit management duties, as appropriate
- Contributing to the development and implementation of learning and teaching strategies within the School and across the College / University
- Supporting students undertaking doctoral research in their subject and supervising them to completion.

Citizenship

- Contribute to and support the University's strategy and strategic plan with leadership of activities contributing to general university life e.g. open days, alumni events, mentoring schemes, assisting professional services, working with stakeholders, outreach activities
- Participate in and, where appropriate, convene relevant related groups/committees in the School or College, as well as leadership/membership of committees/groups contributing to university life
- Contribution to the future development of the University and support the University's wider social, cultural and economic development of our region, our 'civic' mission with engagement with/leadership of external partnerships contributing to the civic mission of the University.

In addition to the above, undertake such duties as may reasonably be requested and that are commensurate with the nature and grade of the post.

Key working relationships/networks

Internal	External
<ul style="list-style-type: none">• PVC Head of College of Health and Science• Deputy PVC College of Health and Science• Head of School of Chemistry• Director of The Bridge• DVC for Research and Innovation• DVC Regional Engagement• Dean of Research Environment• Director of Research and Enterprise• College Director of Research• Director of the Doctoral School• Academics• Post-graduate Researchers• PGR students	<ul style="list-style-type: none">• Funding bodies e.g., Research Councils• Regional bodies, e.g. CATCH, Humber Energy Park• Academic Research / Project collaborators• Energy sector companies• GLLEP• Lincoln Science and Innovation Park

**UNIVERSITY OF LINCOLN
PERSON SPECIFICATION**



JOB TITLE	Professor/Director of LCEM	JOB NUMBER	CHS017
Selection Criteria	Essential (E) or Desirable (D)	Where Evidenced Application (A) Interview (I) Presentation (P) References (R)	
Qualifications:			
PhD in relevant discipline	E	A/I	
HE teaching qualification or recognition (PGCE(HE) or HEA Associate Fellow) OR a commitment to complete one within an agreed timescale	E	A	
Experience:			
A strong track record in leading funded research projects in the energy materials sector	E	A	
Research track record in Energy Materials or related areas	E	A	
Experience of collaborative, preferably interdisciplinary, academic research	E	A	
A track record of leading activities that have significant impact beyond the University	D	A	
Proven track record of sustained income generation to support research work	D	A	
External and international research links, including collaborative research with commercial partners	E	A	
Experience of supervising research students to completion and/or supervision of research staff	D	I	
Experience of leadership and administrative management in HE	D	A	
Skills and Knowledge:			
Ability to lead and motivate others	E	A/I	
Excellent communication skills, both written and oral	E	A/I	
Ability to influence and persuade, strong liaison ability	E	A/I	
Extensive knowledge of the HE sector	E	A/I	
Ability to develop and maintain an effective professional network and engagement with key agencies	E	A/I	
Excellent organisational skills	E	A/I	
Ability to build effective working relationships with a wide range of staff and external agencies	E	A/I	
Ability to develop and lead a portfolio of research/ educational projects	E	A/I	
Ability to apply research to teaching and learning	E	I/R	
Competencies:			
Flexibility and adaptability	E	A/I	
Highly motivated	E	A/I	
Self-motivated and a proactive problem solver	E	A/R	

Ability to exercise discretion in dealing with confidential or sensitive matters	E	I/R
Initiative and independence in thinking/approach	E	I
Commitment to the subject area and the drive to improve	E	I
Business Requirements:		
Commitment to work in the Energy Materials field nationally and internationally with relevant organisations	E	A/I
Ability and willingness to travel on School, College or University business, including overseas	E	A
Be able to work occasionally outside of normal University business hours	E	A

Essential Requirements are those, without which, a candidate would not be able to do the job. **Desirable Requirements** are those which would be useful for the post holder to possess and will be considered when more than one applicant meets the essential requirements.

Author	AH	PBP	PC
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