UNIVERSITY OF SUSSEX

1. Advertisement

School of Business, Management and Economics
SPRU – Science Policy Research Unit
Professor of Economics of Innovation
Full time, Permanent

Salary range: the University offers competitive remuneration packages
Expected interview date: 2 June 2017
Expected start date: As soon as possible

We are seeking to appoint a Professor of Economics of Innovation at SPRU (Science Policy Research Unit) at the University of Sussex. Founded in 1966, SPRU is internationally recognised as a leading centre of research on science, technology and innovation policy. Today, with over 60 faculty members, SPRU is proudly at the forefront of new ideas, problem-orientated research, inspiring teaching, and creative, high impact engagement with decision-makers across government, business and civil society.

We are seeking a Professor of Economics of Innovation with a focus on industrial dynamics, and/or the digital economy and/or circular economy and an interest in long term economic history. This focus fits in the SPRU’s strategy to look at the transformative role of innovation for the economy and society.

The position will involve developing and teaching SPRU modules in economics of innovation and innovation management, reinforcing and developing strategic relationships with national and international networks in these areas, and contributing to the SPRU strategy, connecting science and technology policy to broader societal issues, working closely with government, business and civil society.

The successful candidate will have:
- A track record in developing new insights in economics of innovation and/or innovation management, with a focus on industrial dynamics, the digital economy and/or the circular economy.
- Interest in long-term economic history
- Ability to work across disciplines
- Excellent connections to national and international networks in economics of innovation
- Sophisticated knowledge of the operation of relevant policy systems and experience in intervening successfully within those systems.
- Experience in effective research management.
- A track record as a fluent and experienced communicator with various media
- An excellent teaching record

If you would like to discuss the position, please contact the Director of SPRU, Professor Johan Schot J.W.Schot@sussex.ac.uk

Closing date for applications: 15 May 2017

For full details and how to apply see www.sussex.ac.uk/jobs

The University of Sussex is committed to equality of opportunity
2. **Senior leadership and management**

The Vice-Chancellor (Professor Adam Tickell) is the senior academic officer and, as Chief Executive, is responsible to the University Council for management of the University. He is supported by an executive group which includes the three Pro-Vice-Chancellors, the Registrar and Secretary, the Director of Finance and the Director of Human Resources. The Heads of the Schools of Studies at Sussex report to the Pro-Vice-Chancellors.

The Registrar and Secretary heads the Professional Services of the University. In addition, under the University Statutes, the Registrar and Secretary is Secretary to the University Council. The Director of Finance reports to the Vice-Chancellor. The Director of ITS reports to the Registrar and Secretary, and the Librarian reports to one of the Pro-Vice-Chancellors.

3. **The School of Business, Management and Economics**

The School of Business, Management and Economics (BMEc) was formed in 2009 and comprises the Department of Business and Management, the Department of Economics and SPRU (Science Policy Research Unit). With a new home in the Jubilee Building, a state-of-the-art academic building at the heart of the campus, BMEc is a vibrant, ambitious and dynamic School with a strong research focus.

**SPRU (Science Policy Research Unit)**

Founded in 1966 by Christopher Freeman, SPRU was one of the first interdisciplinary research centres in the field of science and technology policy and management. Today, with over 60 faculty members, SPRU remains at the forefront of new ideas, problem-orientated research, inspiring teaching, and creative, high impact engagement with decision makers across government, business and civil society. Our research addresses pressing global policy agendas, including innovation challenges posed by the digital economy, the future of industrial policy, inclusive economic growth, the politics of scientific expertise, energy policy, security issues, entrepreneurship, and pathways to a more sustainable future.

SPRU researchers are driven by a desire to tackle real-world questions, whilst also contributing to a deeper theoretical understanding of how science, technology and innovation is shaping today’s world. A 2012 study published in the journal 'Research Policy' ranked SPRU second only to Harvard University in terms of its research impact in innovation studies. With a community of over 140 MSc and doctoral students from all over the world, SPRU is also well known for its high quality, research-led teaching programmes.

As SPRU looks ahead after its 50th anniversary in 2016, it is embarking on an ambitious, new strategy to expand and build on our track record across research, teaching, impact and engagement. As part of this ambitious strategy, we are looking for a dynamic, innovative and highly respected academic to join our team and to help shape the next stage of SPRU’s impressive development.

**Research in Economics of Innovation and Industrial Policy**

Historically, the study of the Economics of Innovation has acted as a central pillar within SPRU’s diverse research portfolio, providing key theoretical and empirical tools for policy areas such as industrial policy, innovation policy and development policy.

SPRU’s current research focuses on advancing the economic theory of innovation, whilst also resetting the foundations of orthodox economics and advancing the fields of evolutionary and institutional economics. We seek to understand the structure and dynamics...
of innovating firms and industrial systems, how to enhance innovation capabilities of firms and other stakeholders in developed and developing countries, as well as how to steer structural changes towards sustainable growth.

Our research addresses policy-relevant issues including fostering inclusive growth and innovation, the feedback relationship between finance and innovation and mapping complex patterns in firm and market dynamics. Our key concern is to help strengthen innovation and industrial policies around the world. Our work is currently focused on four main areas: Industrial Policy, Economic Development and Growth, Firm Growth and Industrial Dynamics, and Financing Innovation and Financialisation.

Further details about SPRU are available at: http://www.sussex.ac.uk/spru/
For more information about SPRU’s existing teaching programmes, see: http://www.sussex.ac.uk/spru/study

4. Job Description

Job Title: Professor of Economics of Innovation
Grade: Grade 10
Location: Jubilee Building
Responsible to: Head of School
Direct reports: n/a
Key contacts: Students, other members of Faculty within the School and University, School Officers, academics of similar standing in the field in other institutions.

Role description: Professor is the most senior career-grade teaching and research position. Post-holders are expected to show high academic standing, to make a broad and sustained contribution to their field and discipline nationally and internationally, and to demonstrate sustained exceptional performance in research. They will demonstrate academic leadership in both teaching and research, and support the management and strategic planning processes of the School and the University.

PRINCIPAL ACCOUNTABILITIES

1. To provide academic leadership in the design and delivery of innovative and high-quality teaching programmes.
2. To engage in high-quality research activity resulting in high-quality publications to be submitted to the REF at acceptable levels of volume and academic excellence; to lead major research projects; to consistently secure research funding and third-stream income; and to play a key role in the development and implementation of the School research strategy.

3. To provide guidance, support and mentoring to junior members of staff working in the same or cognate research areas.

4. To play a key role in supporting the management activities of the School and University, and to undertake a significant School directorship role if required.

**KEY RESPONSIBILITIES**

1. **Teaching & Student Support**

1.1 Lead the innovative design, development and delivery of the overall curricula.

1.2 Develop the quality assurance framework within the University’s overall framework e.g. for the validation and re-validation of courses.

1.3 Regularly review and update course content and teaching materials, ensuring that they remain up-to-date and relevant, incorporating advances in the subject area and utilising appropriate technology.

1.4 Set, mark, and assess work and examinations; select appropriate assessment instruments and criteria; and provide constructive and comprehensive feedback to students.

1.5 Actively maintain an understanding of appropriate pedagogy in the subject area.

1.6 Provide academic leadership and inspiration to those teaching within subject area.

1.7 Supervise PhD students and/or externally-funded post doctoral staff.

1.8 Undertake and complete administrative duties required in the professional delivery of teaching.

1.9 Undertake academic advising duties, and provide first-line support for sensitive issues, referring on as appropriate to services providing further assistance.
1.10 Adopt an approachable and accessible attitude towards students, offering office hours, informal advice etc.

2. Research, Scholarship & Enterprise

2.1 Play a leading role in the development and implementation of School research strategies and themes, and lead and co-ordinate research activity in own subject.

2.2 Identify and develop research objectives, and proposals for own or joint research.

2.3 Carry out independent research and act as a Principal Investigator or project leader on major research projects. This may involve leading and line-managing the staff including their recruitment, probation, mentoring, performance review and staff development; managing the budget, and taking responsibility for the delivery of the programme.

2.4 Define research objectives and questions, review and synthesise the outcomes of research studies, and develop ideas for application of research outcomes.

2.5 Develop proposals for major research projects which will make a significant impact, and lead to an increase in knowledge or understanding or the development of new explanations, insights, concepts or processes.

2.6 Produce high-quality research outputs that are world-leading in the field, for publication in monographs or recognised high-quality journals, or performance/exhibition, as appropriate, and make a significant contribution to the School's REF assessment at acceptable levels of volume and academic excellence.

2.7 Make presentations at national and international conferences or exhibit work in other appropriate events of a similar standing, and play a lead role in identifying ways to disseminate research outputs informally via the internet, the media and other forms of public engagement.

2.8 Develop and maintain an independent research reputation by, for example, serving on peer review committees, or acting as a referee for journal articles or research grant applications.

2.9 Play a key role in the internal management of the REF assessment exercise.

2.10 Play a lead role in identifying sources of funding and securing bids, both individually and in collaboration with others.
2.11 Play a lead role in identifying and exploring opportunities for enterprise activity, knowledge exchange income and/or consultancy.

2.12 Provide academic leadership and inspiration to those working within own research area, and foster inter-disciplinary team-working.

2.13 Lead and develop internal and external networks to foster collaboration on both an individual level and on behalf of others in the School, share information and ideas, and promote the subject and the University, both nationally and internationally.

2.14 Develop successful links with external contacts such as other educational and research bodies, employers, professional bodies and other providers of funding and research initiatives to foster collaboration and generate income, and to influence the external research and policy agenda.

2.15 Contribute to the enhancement of research quality and thinking in the field by being involved in quality assurance and other external decision-making bodies.

2.16 Act as a leading authority in the field or specialism, developing new knowledge, understanding and innovation in the area.

2.17 Conduct risk assessments and take responsibility for the health and safety of others, if required.

3. Contribution to School & University

3.1 Attend and contribute to School meetings.

3.2 Contribute to the overall management of the School in areas such as budget management and business planning.

3.3 Contribute to School- and University-level strategic planning and development.

3.4 Engage in activities beyond day-to-day teaching duties, for example Admissions Days.

3.5 Assist with undergraduate and postgraduate recruitment.

3.6 Chair School or University committees, and participate in University decision-making and governance.
3.7 Undertake a School directorship role, for example Director of Research.

3.8 Advise and provide support to less experienced colleagues, and conduct Performance and Development Reviews, if required.

3.9 Mentor staff in related or cognate research areas, providing advice on personal and career development plans, and assisting them in identifying and securing career development opportunities.

3.10 Undertake additional administrative duties, as required by the Head of School.

4. **Role-specific duties**

4.1 Development and teaching of SPRU modules in economics of innovation and innovation management

4.4 Reinforce and develop strategic relationships within national and international networks in economics of innovation and/or innovation management

4.5 Contribute to the SPRU strategy, connecting science and technology policy to broader societal issues.

This Job Description sets out current duties of the post that may vary from time to time without changing the general character of the post or level of responsibility entailed.
INDICATIVE PERFORMANCE CRITERIA

- Evidence of quality in teaching and learning demonstrated in a range of measures, including student satisfaction; of thoughtful and effective innovation in the development of new courses and/or programmes; and of leadership in the promotion of teaching and learning in the subject.

- Proven innovative teaching practice, typically adopted as best-practice within the institution.

- Evidence of providing, or demonstrable potential to provide academic leadership, development, mentoring and career management advice for colleagues, research assistants and students in the area of teaching and learning.

- A record of consistent involvement in external examining at research-intensive universities, and other forms of engagement in upholding academic standards.

- Leadership of a national subject association.

- Evidence of commitment to improving the student experience and/or leadership of a major change project designed to improve the student experience.

- Publication of highly-regarded text books or other significant teaching materials for use in higher education, chosen by third parties on a discretionary basis.

- Evidence of sustained output of high-quality research publications or other recognised forms of output, subjected to peer review and describing significant discoveries, applications or observations.

- Evidence of leadership in the discipline and cognate disciplines, demonstrating an ability to inspire colleagues to develop their own research potential, including partnerships with individuals and/or bodies of international standing.

- Sustained record of attracting funds year-on-year, which are notable awards in terms of size and scope, and of leadership of and collaboration in significant research projects and/or consultancy or work with external organisations.

- Transfer of intellectual property into the wider economy.
- Development of research and consulting relationships with other organisations, and development of business and community links that bring tangible benefits to the University.

- Sustained record of successful postgraduate research supervision.

- Academic distinctions (e.g. academic awards; editorship of, or refereeing for, journals; grant reviewer for awarding bodies; services for learned societies; election to Fellowships).

- Transfer of research findings into practical applications and/or enrichment of the wider culture through creativity in the social sciences, humanities and the visual and performing arts.

- External and visiting appointments.

- Influence on the formulation of policy.

- Advancement of the discipline through a distinctive contribution to intellectual leadership, professional, clinical or vocational practice.

- Evidence of enhancing the international standing and profile of the School and University.

- A sustained contribution to the delivery of University and/or School strategy.

- Evidence of exceptional collegiality.

- A leadership role within the University, creating significant performance improvement.
PERSON SPECIFICATION

ESSENTIAL CRITERIA

1. Educated to doctoral level in a relevant discipline (see role-specific criteria below).

2. In-depth knowledge of specialism to enable the development of new knowledge, innovation and understanding in the field.

3. Excellent interpersonal skills, with the proven ability to engage with students using a variety of different methods.

4. Excellent presentation skills, with the proven ability to communicate effectively, both orally and in writing, with students, colleagues and external audiences.

5. Significant experience of high-quality teaching at undergraduate and postgraduate level.

6. Successful track record of innovative curriculum design or redesign.

7. Significant track record of influential publications in reputable journals and other appropriate media of similar standing.

8. Successful and sustained track record of generating research and knowledge exchange income that is notable in terms of size and scope, and the translation of research results into practice.

9. Experience of successfully leading large externally-funded research projects.

10. An international reputation in the field of study.

11. Successful track record of supervising postgraduate students.

12. Evidence of proactive contribution to the School and/or University.

13. Leadership and people management skills.


15. Commitment to collegiality and inter-disciplinary working.
16. Excellent organisational and administrative skills.

17. Ability to prioritise and meet deadlines.

18. A willingness to participate in support activities beyond normal teaching duties.

19. Excellent IT skills, with the ability to produce high-quality learning support materials.

**ESSENTIAL ROLE-SPECIFIC CRITERIA**

1. A track record in developing new insights economics of innovation and/or innovation management (structure and dynamics of innovating firms).

2. A focus on industrial dynamics, and/or the digital economy and/or circular economy and an interest in long term economic history

3. Excellent connections to national and international networks in economics of innovation and/or innovation management

4. Ability to work across disciplines and leading larger project teams

5. Sophisticated knowledge of the operation of relevant science, technology and innovation policies, industrial policies and experience in influencing successfully these policies

6. A track record as a fluent and experienced communicator with various media.