JOB DESCRIPTION
Vacancy Ref: A2112

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>RCUK Innovation Fellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Present Grade:</td>
<td>7</td>
</tr>
</tbody>
</table>

Department/College: Centre for Corpus Approaches to Social Science (CASS)

Directly responsible to: Steven Young (Innovation Fellowship project advisor)

Supervisory responsibility for: N/A

Other contacts

Internal: Innovation Fellowship mentor (Andrew Hardie); CASS Centre director (Elena Semino); Other members of the project team (Paul Rayson inter alia); colleagues and students in relevant departments and faculties (in FASS, Linguistics and English Language; in the Management School, Accounting and Finance; in FST, Computing and Communications); the Library, ISS, central administration and other relevant university actors.

External: KPMG and other Innovation Fellowship partners in industry and public policy; ESRC; professional bodies, academic and research networks.

Major Duties:

- Undertake research to meet the aims of the RCUK Innovation Fellowship research project: Intelligent Language Processing for Understanding Financial Text. In particular, to address the major challenge of applying AI (including methods of corpus linguistics and natural language processing) to the understanding of Financial Text, that is, large and varied collections of corporate communication documents, by:
  a) Developing (methods for production of) relevant datasets of annual financial reports, press releases, preliminary earnings announcements, conference calls, and financial media articles;
  b) Developing and applying CL/NLP methodologies for the computer-assisted understanding of these datasets, including text-reuse analysis, sentiment analysis, and other machine learning techniques; extraction and visualization of quantitative information from textual data;
  c) Engaging in knowledge exchange of the outcomes of this research with the industrial partners of the Fellowship project.
- Participate in regular meetings with the project advisor and mentor of the Innovation Fellowship, and participate in research networks more broadly.
- Produce (individually and in collaboration) to conference presentations.
- Write (individually and in collaboration) academic articles (of suitable quality to be returned in the Research Excellence Framework) and other publications arising out of the Innovation Fellowship project.
- Implement the project's impact agenda, including working closely with KPMG and other partners in industry and public policy in support of the Fellowship’s knowledge exchange agenda; and engaging in outreach presentations/workshops.
- Contribute to the national and international research reputation of the Fellowship and the CASS research group in which it is embedded.
- Participate in and/or take the lead on (as appropriate) the writing of new follow-on research proposals that build on the results of the project.
- Work within the strategic direction of the University as a whole and the University’s code of ethics and practice guidelines.
- Make any further contributions to the project as required by the fellowship advisor and partners in industry and public policy commensurate with the grade.