



2017-SVQ-A5-FGIV- 9128

Researchers in machine learning and human behaviour

<p>Position for:</p> <p>FG IV Scientific/Technical project officer - Machine learning and human behaviour</p>	<p>As the science and knowledge service of the European Commission, the mission of Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>The JRC is located in five Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: http://ec.europa.eu/jrc/</p> <p>JRC has recently established the Centre for Advanced Studies (CAS) with the mission of investigating new research areas of relevance for European policy. CAS provides an interdisciplinary and stimulating space where JRC scientists can engage in research in policy-relevant thematic areas and connect with leading institutions in the field worldwide.</p> <p>CAS is looking for 3 researchers to join the project on "Machine intelligence and human behaviour in the digital era". The goal of the project is to provide a multi-disciplinary understanding of the state of the art and future evolution of machine learning techniques and its potential impact on human cognition and development. A set of guidelines for the different stakeholders (academic community, developers, policy makers and the general public) on how to develop, use and exploit current machine learning methods in real-world applications will be developed. By combining different methodologies, including behavioural studies around a set of user-cases (from music consumption to transportation), literature review and comparative evaluation, the project will focus on four main research questions:</p> <p>(1) Provide a scientific understanding of machine versus human intelligence; (2) Analyse the influence of machine learning algorithms into human appreciation and decision making; (3) Study the impact of machine learning algorithms into human capabilities; (4) Investigate to what extent these findings should influence the European regulatory framework.</p> <p>The project will take into account aspects of</p> <ul style="list-style-type: none">- Fairness, accountability, transparency in machine learning- Social and ethical aspects of artificial intelligence.- Learning, memory and cognitive development.- Behavioural studies.- Human-centred and user-centred machine learning.- Recommender systems. <p>The candidates will be working in an international team of up to five researchers, in close collaboration with the Department of Information and Communication Technologies (DTIC) of Universitat Pompeu Fabra (UPF) in Barcelona, Spain.</p> <p>Qualifications:</p>
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	<ul style="list-style-type: none"> • Doctoral degree (or equivalent) in any of the fields of machine learning, cognitive science, social sciences or another discipline relevant for the project. As equivalent is considered university studies of at least three years attested by a diploma and at least 5 years of professional experience in a field relevant to the position. • Professional knowledge of at least 3 years in any of the fields of relevance for the project, such as Computer Science, Social Sciences or Cognitive Science & Neuroscience and their interface. <p>In addition, the following elements will be considered an advantage</p> <ul style="list-style-type: none"> • Excellent record of research activities including publications in international peer-reviewed journals • Strong involvement with the academic community • Ability to communicate research results and lead community initiatives. • Ability to work in a team and multi-cultural environment • The candidate is expected to be creative and work independently. <p>The Joint Research Centre is an equal opportunity employer and is committed to increasing the diversity of its staff. It welcomes applications from women and minority groups.</p>
Institute Unit Project	<p>JRC Unit for Scientific Development Centre for Advanced Studies (CAS) Machine intelligence and human behaviour in the digital era</p> <p>Further information: https://ec.europa.eu/jrc/ https://ec.europa.eu/jrc/en/research/centre-advanced-studies</p>
Indicative duration Preferred starting date	<p>12 months' initial contract with possible renewals up to maximum 3 years</p> <p>January 2018</p>
JRC Site Country	<p>Seville Spain</p>
Rules, eligibility requirements	<p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff or have applied to the permanent open call for researchers FG IV:</p> <p>https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-iv-researchers</p> <p>Auxiliary contract staff: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</p> <p><i>Please note that due to the high number of applications received only shortlisted candidates will be contacted.</i></p>