

Sihem Amer-Yahia

Computer Scientist, Director of French National Centre for Scientific Research
Editor-in-Chief of the VLDB Journal for Europe and Africa

Humans in Online Job Markets

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Abstract

Online labor markets are increasingly becoming a destination for work. These marketplaces include freelancing platforms such as Qapa and MisterTemp' in France, and TaskRabbit and Fiverr in the USA. On those platforms, workers can find temporary jobs in the physical world such as moving furniture, or in the form of virtual micro-gigs such as helping with designing a website. I will how human factors affect algorithm design on virtual marketplaces, and a study of algorithmic fairness on those platforms.

The talk will end with open questions raised a year ago at a Shonan workshop on the Future of Work.

Biography

Sihem Amer-Yahia is a Silver Medal CNRS Research Director and Co-Head of the Lab of Informatics of Grenoble. She works on exploratory data analysis and fairness in job marketplaces. Before joining CNRS, she was Principal Scientist at QCRI, Senior Scientist at Yahoo! Research and Member of Technical Staff at AT&T Labs. Sihem currently leads the SIGMOD and VLDB Diversity & Inclusion committee.

Amer-Yahia received her Ph.D. in CS from Paris-Orsay and INRIA in 1999. Her publication topics include data analysis, data handling, crowdsourcing, computational complexity, data visualization, information science and addresses new data management problems in emerging internet and big data applications.