



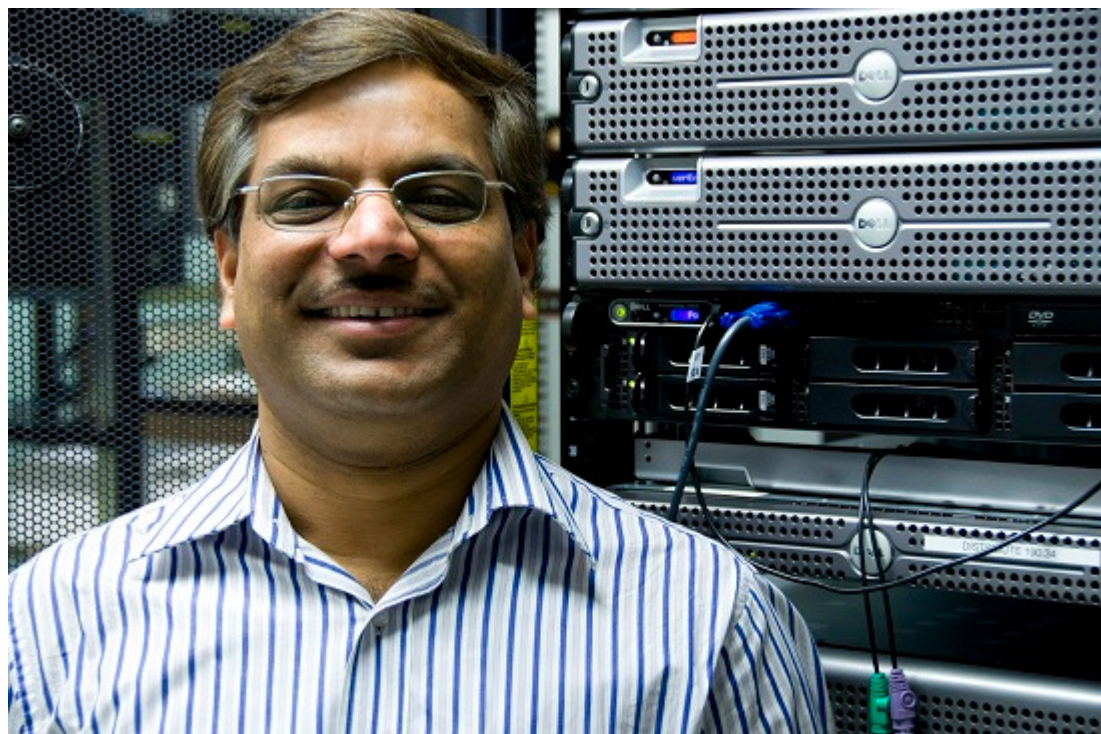
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Melbourne ranked number one for cloud computing research impact

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The University has been ranked number one in the world for its cloud computing research impact, according to an analysis of the work done in the field.



Professor of Computer Science and Software Engineering Rajkumar Buyya.

This ranking comes in a large part as a result of the work of Professor of Computer Science and Software Engineering Rajkumar Buyya, whom the study found was the world's top-cited cloud computing author.

Professor Buyya is an Australian Research Council Future Fellow and Director of the Cloud Computing and Distributed Systems (CLOUDS) Laboratory at the University.

He is also a founder of Manjrasoft, a University spin-off company which commercialises innovations from the CLOUDS Laboratory. It also ranked highly in the top cited affiliations.

Manjrasoft's cloud application platform, called Aneka, has been used to create big data applications in domains such as business analytics, satellite image processing, health care, and rendering of locomotive designs by its customers in China and India.

Professor Buyya said the increasing importance of information technology infrastructure and services meant computing would one day be considered an essential utility along the lines of water and electricity.

He said cloud computing would act as a driver for the next wave of innovations.

"It presents many exciting research challenges and business opportunities," he said.

“It has potential to become a trillion-dollar industry by 2020.”

Four of Professor Buyya’s Melbourne team are also listed in the table of top cited authors. They are Chee Shin Yeo (now at Yuan Ze University, Taiwan), Srikumar Venugopal (now at the University of NSW), James Broberg and Anton Beloglazov (now at IBM Research).

The study, “A Scientometric Analysis of Cloud Computing Literature” examined 15,376 peer-reviewed publications released between 2008 and 2013, which represents the largest study of its kind in the field of cloud computing to date.

It was conducted by Leonard Heilig and Stefan Voß from the University of Hamburg’s Institute of Information Systems.

Scientometric studies use empirical analyses scientific output of specific fields to track the development of academic disciplines from a meta-perspective and set future research agendas.

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