

KEYNOTE/PLENARY

Title:

Role of Timely Research and Innovation: A Perspective on Impact and Citations

Speaker:

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ABSTRACT

Researchers are expected to be in the forefront of their fields and publish their findings, inventions, or discoveries in global forums. They need to continuously create and communicate new knowledge and discoveries to their peers, public, and funding bodies. Research publications play a critical role in international ranking of universities, hiring and promotion of academics, allocation of funding, and assessment of research quality and excellence. We often hear the phrase "Publish or Perish", which highlights the pressure in academia to rapidly and continually publish research work to advance one's career or sustain it. With time this pressure is changing. Now researchers are also expected to produce innovative and high impact outcomes and lead commercialization of their research outcomes.

This keynote talk will present key elements of research and research publications along with how to enhance their visibility and impact. Primarily based on my own research and innovation experience in Cloud Computing and Software Engineering, the talk covers various aspects of research such as the selection of research problems, research methods, categories of research outputs, publication process, and development of community around artifacts of research for enhancing the visibility and impact.

SPEAKER BIOGRAPHY AND PHOTO



Dr. Rajkumar Buyya is a Redmond Barry Distinguished Professor and Director of the Cloud Computing and Distributed Systems (CLOUDS) Laboratory at the University of Melbourne, Australia. He is also serving as the founding CEO of Manjrasoft, a spin-off company of the University, commercializing its innovations in Cloud Computing. He has authored over 850 publications and seven textbooks including "Mastering Cloud Computing" published by McGraw Hill, China Machine Press, and Morgan Kaufmann for Indian, Chinese and international markets respectively. Dr. Buyya is one of the highly cited authors in computer science and software engineering worldwide (h-index=168 g-index=369, and 149,400+ citations). He has been recognised as IEEE Fellow, a "Web of Science Highly Cited Researcher" for seven times since 2016, the "Best of the World" twice for research fields (in Computing Systems in 2019 and Software Systems in 2021/2022/2023) as well as "Lifetime Achiever" and "Superstar of Research" in "Engineering and Computer Science" discipline twice (2019 and 2021) by the Australian Research Review.

Software technologies for Grid, Cloud, and Fog computing developed under Dr. Buyya's leadership have gained rapid acceptance and are in use at several academic institutions and commercial enterprises in 50+ countries around the world. Manjrasoft's Aneka Cloud technology developed under his leadership has received "Frost New Product Innovation Award". He served as founding Editor-in-Chief of the IEEE Transactions on Cloud Computing. He is currently serving as Editor-in-Chief of Software: Practice and Experience, a long-standing journal in the field established 54+ years ago. He has presented over 750 invited talks (keynotes, tutorials, and seminars) on his vision on IT Futures, Advanced Computing technologies, and Spiritual Science at international conferences and institutions in Asia, Australia, Europe, North America, and South America. He has recently been recognized as a Fellow of the Academy of Europe. For further information on Dr. Buyya, please visit his cyberhome: www.buyya.com