

**International Workshop on
New Frontiers in Cloud/Fog
Computing for Big Data /
Internet-of-Things (IoT)
Applications**

Registration Form

Name : _____

Date of Birth : / /

Sex : Male / Female

Qualification : _____

Designation : _____

Organization : _____

Address for Communication:

Mobile No : _____

E-Mail ID : _____

Cash Details :

For an amount: Rs. _____

_____ (In words) only.

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Date : _____ Signature of Participant

Place: _____

(Handover this form at Registration Desk with fee by cash at the Venue on the workshop day).

Workshop Coordination

www.amrita.edu/clouds2018

clouds2018@am.amrita.edu

0476 280 4531

Workshop Fee

Students (U.G./P.G.) Rs.500/-

Faculty/PhD Scholars Rs.1000/-

Industry Rs.1500/-

Accommodation will be provided on request for nominal charges.

Mode of Payment

By Cash to be Paid at the Venue

Participation: Seats Limited to 100

Please confirm your participation latest by

12th December by E-mail

clouds2018@am.amrita.edu

Other Takeaways

- **Mastering Cloud Computing** - the book authored by Prof. Rajkumar Buyya published by Tata McGraw Hill, will be on **SALE** at a **discounted price**.
- **Certificate of Participation**



<https://www.amrita.edu/campus/amritapuri/reach-us>

**International Workshop
On
New Frontiers in Cloud/Fog
Computing for Big Data /
Internet-of-Things (IoT)
Applications**

On

December 19, 2018

(Wednesday)

9.00 AM to 6.00 PM



CLOUDS 2018

**Organized
by**

**Amrita Center for Cybersecurity
Systems and Networks
&
Amrita Center for International
Programs**



DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF THE UGC ACT, 1956

AMRITAPURI

About Amrita

Amrita Vishwa Vidyapeetham established under section 3 of UGC Act of 1956 offers more than 200 professional programs through 15 schools across 6 different campuses in 3 South Indian states. The university has research collaboration with more than 150 international partners. The world-renowned humanitarian and spiritual leader Sri Mata Amritanandamayi Devi (Amma), known worldwide for Her humanitarian activities and initiatives, is the Chancellor.



University of Melbourne CLOUDS Lab, Australia

Established in 1853, the University of Melbourne is a public-spirited institution that makes distinctive contributions to society in research, learning and teaching and engagement. It's consistently ranked among the leading universities in the world, with international rankings of world universities placing it as number 1 in Australia and number 32 in the world (Times Higher Education).

The Cloud Computing and Distributed Systems (CLOUDS) Laboratory is one of the youngest research labs at the University of Melbourne, Australia. It is engaged in the creation of open-source specifications, architecture and a reference Cloud toolkit implementation of market-oriented cloud computing. Some of our technologies serve as foundation for industrial solutions offered by the University of Melbourne spin-off company (Manjrasoft) to its customers worldwide. For details on CLOUDS Lab, visit: <http://cloudbus.org/>

Description/Scope

Computing is being transformed to a model consisting of services that are commoditized and delivered in a manner similar to utilities such as water, electricity, gas, and telephony. Several computing paradigms have promised to deliver this utility computing vision. Cloud computing paradigm has turned this vision of "computing utilities" into a reality. It offers subscription-based access to infrastructure, platforms, and applications that are popularly referred to as IaaS (Infrastructure as a Service), PaaS (Platform as a Service), and SaaS (Software as a Service). Cloud application platforms need to offer (1) APIs and tools for rapid creation of elastic applications and (2) a runtime system for deployment of applications on geographically distributed computing infrastructure in a seamless manner. The IT industry has shifted its focus from developing applications for PCs to Clouds, which deliver application services to millions of users simultaneously. This is creating a huge demand of manpower with skills in Cloud computing and development of applications.

Topics to be Covered

- Foundations of Cloud Computing
- IoT (Internet of Things) Paradigm and its Applications
- Cloud Architectures
- Cloud Computing Platforms
- Aneka – Platform for building Clouds and their Innovative Application
- Building Enterprise Clouds using a Network of Computers
- Hands on Experience: Cloud Programming using Threads, Tasks, and MapReduce
- Big Data Application Case Studies in Engineering and Image Processing
- IoT Application Case Studies in Healthcare, and Smart Cities
- Research Directions for Next-Generation Cloud Computing and Fog/Edge Computing

Resource Persons



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 650 publications and seven text books 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=120, g-index=255, 77,000+ citations). Dr. Buyya is recognized as Scopus Researcher of the Year 2017 with Excellence in Innovative Research Award by Elsevier for his outstanding contributions to Cloud computing. 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 40 countries around the world. 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 ~50 years ago. For further information on Dr. Buyya, please visit his cyberhome: www.buyya.com

Sri Shivanand Poojar is a Professor at Rajarambapu Institute of Technology, Maharashtra. He has delivered expert lectures and hands-on training in Cloud Computing for many companies including IBM and its clients.