

## About us:

The **University of Calcutta** is a public state university located in Kolkata, India established in 1857. This is the first institution in South Asia to be established as a multidisciplinary and secular Western style university. Within India it is recognized as a *Five Star University* and a *Centre with Potential for Excellence* by the University Grants Commission and the National Assessment and Accreditation Council. Within all state universities all over India, this university had the highest number students who cleared the doctoral entrance eligibility exam in the sciences conducted by Government of India's National Eligibility Test to become eligible to pursue research with full scholarship awarded by the Government of India.

**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 34 in the world

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 Manjrasoft to its customers worldwide.

## Description/Scope:

Cloud computing has recently emerged as one of the buzzwords in the IT industry. Numerous IT vendors are promising to offer computation, storage, and application hosting services and to provide coverage in several continents, offering service-level agreements (SLA)-backed performance and uptime promises for their services. While these "clouds" are the natural evolution of traditional data centers, they are distinguished by exposing resources (computation, data, and applications) as standards-based Web services and following a "utility" pricing model where customers are charged based on their utilization of computational resources, storage, and transfer of data. They offer 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).

The IT industry is rapidly shifting 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:

- **Recent Advances in Parallel and Distributed Computing**
- **Foundations of Cloud Computing**
- **Cloud Architectures**
- **Cloud Computing Platforms**
- **Aneka – Platform for building Clouds and their Innovative Application**
- **Building Enterprise Cloud Computing Environment using a Network of Computers**
- **Application Case Studies in Engineering, Image Processing, and Media Rendering**
- **Guidelines for setting up of CLOUDS LAB**

## Resource Persons:



**Dr. Rajkumar Buyya** is Professor of Computer Science and Software Engineering; 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, an Australian company developing innovative solutions for Cloud Computing. He has authored over 450 publications and four text books including "Mastering Cloud Computing" published by McGraw Hill and Elsevier/Morgan Kaufmann, 2013 for Indian and international markets respectively. He is one of the highly cited authors in computer science and software engineering worldwide (h-index=79, g-index=164, 29700+ citations). Microsoft Academic Search Index ranked Dr. Buyya as the world's top author in distributed and parallel computing between 2007 and 2012. International research leadership of Dr. Buyya is recognized through the award of "2009 IEEE Medal for Excellence in Scalable Computing" from the IEEE Computer Society, USA. He currently serves as the foundation Editor-in-Chief of IEEE Transaction on Cloud computing.

**Sri K. Raghavendra** is working as Scientist at ADRIN, Department of Space, Govt. of India. He has 13 years of experience in the development of software for remote sensing data, parallel processing software in the areas of Cluster, Grid and Cloud computing. Currently he is pursuing Ph.D. in computer science from University of Hyderabad and actively involved in promoting the "Cloud Computing Technologies" in academics and industry. He is the recipient of ISRO Young Scientist Award for the year 2010.

### Contacts Us

Please confirm your participation latest by 11<sup>th</sup> April 2014, by email to the workshop conveners.

**One day Workshop on  
Cloud Computing and Aneka  
Platform  
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).

**Conveners**

Mr. Sunirmal Khatua, University of Calcutta

Mr. Soumya Sen, University of Calcutta

**Advisory Committee**

Dr. Nabendu Chaki, University of Calcutta

Dr. Sankhayan Choudhury, University of Calcutta

Dr. Amlan Chakrabarty, University of Calcutta

Prof. Nandini Mukherjee, Jadavpur University

Dr. Rituparna Chaki, University of Calcutta

Dr. Rajib K. Das, University of Calcutta

**Workshop Fee**

1. **Academic** Rs. 200/-
2. **Industry** Rs. 500/-

**Mode of Payment: By Cash to be Paid at the Venue.**

**Participation: Seats are Limited**

Please confirm your participation latest by April 11, 2014 by email to

Prof. Sunirmal Khatua

[skhatuacomp@caluniv.ac.in](mailto:skhatuacomp@caluniv.ac.in)

(09874872149)

Or

Prof. Soumya Sen

[iamsoumyasen@gmail.com](mailto:iamsoumyasen@gmail.com)

(09830550138)

**Every participant will get**

- **A Certificate of Participation**
- **A Book (Mastering Cloud Computing) authored by Prof. Rajkumar Buyya published by Tata McGraw Hill on additional payment of Rs. 350/- (if opted)**

**So please specify your option for the book in the confirmation mail along with your Name, Organization, Department, email-id Designation and Contact No.**

Website:

<http://akcsit.in/CloudComputingWorkshop.pdf>

**One day Workshop On  
Cloud Computing and the  
Aneka Platform**

*On*

**April 16, 2014 (Wed)**

**From 10 AM to 5PM**



**CLOUDS 2014**

*Organized  
by*

**Department of Computer Science &  
Engineering and  
A. K. Choudhury School of  
Information Technology,  
University of Calcutta**

**Workshop Venue:**

University of Calcutta, Technology Campus

JD-3, Sector III, Salt Lake City, Kolkata,

West Bengal 700098, India