

National Workshop on Cloud Architecture & Cloud Services (NWCACS)

13th & 14th August 2018



Organized by
Department of Computer Science & Engineering
School of Computing
Faculty of Engineering & Technology
SRM Institute of Science & Technology
Kattankulathur – 603 203
Tamil Nadu, India

In Association with



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REGISTRATION

The participants are requested to register in the following link

<https://tinyurl.com/nwcacs2018>

Registration Fee: Rs.500/- per participant (includes the Workshop Kit, Lunch and Refreshments)

ACCOMMODATION

Campus accommodation on twin-sharing basis will be provided on request for outstation participants subject to availability.

PAYMENT DETAILS (DD / NEFT / IMPS TRANSFER)

Bank: Indian Bank
Branch: SRM University
Acc. Name: COMPUTER SCIENCE & ENG ASSO
Acc. No: 459777790
IFSC Code: IDIB000S181
DD shall be drawn in favor of "COMPUTER SCIENCE & ENG ASSO", payable at Chennai

Kindly send a photo copy of the demand draft or a screenshot of the netbanking transaction along with registration form to the email id:

nwcacs2018@ktr.srmuniv.ac.in

Last Date for receiving completed registration form is 9th August 2018.

REGISTRATION CONTACT:

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ABOUT THE UNIVERSITY

SRM University was initially started as SRM Engineering College in the academic year 1985-1986 at Kattankulathur, Kancheepuram District, Tamil Nadu. SRM University was established in the year 2003 and the Faculty of Engineering and Technology (E&T) was carved out, which now consists of all the schools and departments related to Engineering and Technology including Architecture and Interior Design in four different campuses namely, Kattankulathur, Ramapuram, Vadapalani and Modinagar (near New Delhi). Science and Humanities, Management, Medicine and Law functions under the University. The main sylvan campus of Kattankulathur consists of a lush green environment with a built up area of 1,70,000sq.m for laboratories, workshops, library, classrooms, Technology Park etc. Excellent infrastructure and world class facilities in the University helps the students and faculty members to pursue their research in an efficient manner.

ABOUT THE DEPARTMENT

The future of Computing rests here. The department's mission is to advance, evolve and enhance Computer Science and Engineering fundamentals to build the intellectual capital of the society. The CSE Department Endeavour's to be an important regional, national, and international resource center for the development of Computing and its applications. The department is witnessing a period of exciting growth and opportunity propelled by the growth of technology and its recognition through excellence. CSE boasts a vibrant student body of about 4200 undergraduate and 50 postgraduate students and a stellar faculty of professors and lecturers. There are 14 Special

Interest Groups (SIG) among the faculty who are focused in their research domains like Software Defined Networking, Biometrics & Bio-Informatics, Data Mining and Big Data Analytics, Wireless & Mobile Computing, Security & Trust Computing, Wireless Sensor Networks & IOT, Soft Computing, Image Processing, Machine Learning and Data Analytics, Natural Language Processing and Regional Computing, Cloud Computing and Social Networking, Service Oriented Architecture and Theoretical Computer Science. There are good number of Ph.D scholars doing their research which includes part time internal and external. The department got a grant from DRDO for doing research on Mobile Adhoc Networks, subsequently a Research lab on Wireless Sensor Networks has been setup.

ABOUT THE WORKSHOP :

Cloud computing has emerged as today's most exciting computing paradigm shift in information technology. With the efficient sharing of abundant computing resources in the cloud, users can economically enjoy the on-demand high quality cloud applications and services without committing large capital outlays locally. While the cloud benefits are compelling, its unique attributes also raise many security and privacy challenges in areas such as data security, recovery, privacy, access control, trusted computing, as well as legal issues in areas such as regulatory compliance, auditing, and many others. To implement secure and

privacy-aware environments which can provide on-demand computing and high-quality service for cloud users is extremely urgent. This workshop is intended to bring together researchers, developers, and practitioners in security, privacy and mobile computing communities. The scope of workshop is to cover theoretical sessions on the following concepts;

- Introduction to cloud platforms, architectures and models
- Advantages and disadvantages of cloud computing
- Introduction of SaaS, PaaS, IaaS models v Cloud security
- Cloud services and applications

Training program on Cloud computing

Session Schedule

Day – 1

- Basics of Cloud and Architecture
- Virtualization
- Introduction to Openstack and its services

Day – 2

- Installation of KVM Hypervisor and working
- Installation of Openstack
- Working on Openstack