

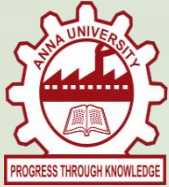
# FOURTH INTERNATIONAL CONFERENCE ON

## ADVANCED COMPUTING

### ICoAC 2012

December 13 – 15, 2012

URL: <http://www.annauniv.edu/ICOAC2012/>



*Organized by*

**Department of Computer Technology  
Anna University  
Madras Institute of Technology Campus  
Chennai – 600 044.**

**and**

**Technically Co-Sponsored by**



### About the organization

*Anna University* was established on 4th September 1978 as a unitary type of University. It offers higher education in Engineering, Technology and allied Sciences relevant to the current and projected needs of the society. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the academic and industrial communities. The University was formed by bringing together and integrating two well-known technical institutions in the city of Madras. The Anna University, which is of the affiliated type is a member of the Association of Indian Universities, the Association of Commonwealth Universities and Partner of UNESCO International Center for Engineering Education (UICEE).

### About the Institute

*Madras Institute of Technology* shall strive towards becoming a world class institution by producing professionals with a high technical knowledge, professional skills and ethical values. In 1949, Shri.C.Rajam, gave the newly independent India-Madras Institute of Technology, so that MIT could establish the strong technical base it needed to take its place in the world. It was merged with Anna University in the year 1978. MIT has produced great scientist like Dr.A.P.J.Abdul Kalam. Madras Institute of Technology has developed into an important centre of engineering education and earned an excellent reputation both in India and abroad. MIT had received many awards including award for the Best Overall Performance, awarded by Indian Society of Technical Education (ISTE).

### About the department

The Department of Computer Technology at the MIT Campus, Chennai was bifurcated from the Department of Information Technology in the year of 2010, with a view to promote the pursuit of excellence in the field of Computer Science and Engineering. The *Department of Computer Technology* is headed by Dr. P.Jayashree, an educator & Researcher herself, taking a pioneering role in equipping the students to attain leadership and responsibilities in the corporate world. The department has research centre **CARE** (Centre for Advanced Computing Research and Education) sponsored by the Ministry of Communication and Information Technology (MCIT), Government of India, aims at establishing a research centre to produce human resources in the area of Grid and Cloud Computing and recent trends.

### About the Conference

ICoAC 2012 (*Fourth International Conference on Advanced Computing*) seeks to bring together international researchers to present papers and generate discussions on current research and development in latest trends in IT. The conference will feature a range of presentations on latest research as well as stimulating talks and keynote addresses. Theme of the conference is “**Ubiquitous Computing**”.

ICoAC 2012 is an international conference in the field of Computer Science and Communication focusing to address issues and developments in advanced computing. It is hosted by Department of Computer Technology annually during December. The first, second, third editions of ICoAC have been held during 13-15 December 2009, 14-16 December 2010, 14-16 December 2011 respectively. Information Society is facing challenges due to the complexity of its structure in terms of networking, middleware, peer to peer applications, ubiquitous computing, pervasive computing with diverse usage in commercial, personal, communal and public domains, posing various critical issues to be addressed and solved. The conference venue is located at the Madras Institute of Technology campus of Anna University, Chennai, Tamil Nadu, and India. This conference is technically co-sponsored by IEEE Madras Section.

### Topics of Interest include but not limited to the following

Ad hoc & Sensor Networks	Grid Computing	Pervasive Computing
Agent Based Systems	Image Processing	Power Aware Computing
Autonomous Computing	Intelligent Agents	Semantic Web
Body Area Network	Knowledge Management	Service Oriented Architecture
Cloud Computing	Machine Learning	Soft Computing
Cluster Computing	Mobile Computing	Software Architecture
Compiler Optimizations	Multi core Architecture	Social Computing
Data Mining	Multimedia Streaming	Storage Management
Digital Image Computing	Natural Language Processing	Theoretical Computer Science
Distributed Databases	Network Security and Management	Ubiquitous Computing
E-Learning	Neural Networks	Virtualization
E-Commerce and E-Governance	Parallel Computing	Web Intelligence
Green IT	Pattern Recognition	

**CHIEF PATRON**

**Dr. Mannar Jawahar. P**  
Former Vice Chancellor  
Anna University, Chennai.

**PATRON**

**Dr. Kaliraj. P**  
Vice Chancellor (Officiating)  
Anna University, Chennai.

**CHAIRMAN**

**Dr. Shanmugavel. S**  
Registrar, Anna University, Chennai.

**GENERAL CHAIR**

**Dr. Thamarai Selvi. S**  
Dean, MIT Campus, Anna University, Chennai.

**HONORARY CHAIR**

**Dr. Rajkumar Buyya**  
University of Melbourne, Australia

**CONVENER**

**Dr. Jayashree .P**  
HOD i/c, Department of Computer Technology  
Anna University, Chennai.

**CO-ORDINATORS**

**Dr.C.Valliyammai**  
Anna University, Chennai.

**Mr.B.Thanasekhar**  
Anna University, Chennai.

**PUBLICITY CHAIR**

**Dr.R.Gunasekaran**  
Anna University, Chennai.

**FINANCE CHAIR**

**Dr.Ponsy.R.K.Sathia Bham**  
Anna University, Chennai.

**KEYNOTE SPEAKERS**

**Dr. Rajkumar Buyya**  
University of Melbourne, Australia.

**Dr.Narayanan. S**  
Wright State University, United States.

**Dr.Alex Arvind**  
University of Northern British Columbia, Canada

**Dr. Thamarai Selvi. S**  
Dean, MIT Campus, Anna University, Chennai

**Submission Details**

An abstract maximum of 300 words can be submitted through the email [icoac@annauniv.edu](mailto:icoac@annauniv.edu) & [icoac12@gmail.com](mailto:icoac12@gmail.com) on or before 10th September 2012. The selected papers will be intimated by mail. The full paper submission should be done through EDAS on or before 15<sup>th</sup> September. For further details of paper submission refer to the Conference website. Submitted papers must be original and unpublished. The selected papers will be published in IEEE Xplore

**Sponsors of Previous Conferences****IMPORTANT DATES**

**Paper Submission** : 15<sup>th</sup> September 2012

**Notification of Acceptance** : 15<sup>th</sup> November 2012

**Camera Ready Copy** : 30<sup>th</sup> November 2012

**Registration** : 05<sup>th</sup> December 2012



IEEE Xplore



CSI



Manjrasoft



UGC



CDAC



CTS



Arunai  
Engg.College



B.S.AR  
University



DMI College of  
Engg



Eswari  
Engg.College



GKM College of  
Engg



PSVP  
Engg.College



Rajalakshmi  
Engg.College



Sree Sastha  
Engg College



St. Joseph's  
Engg College



SV College  
of Engg



Tagore  
Engg.College



Vel-Tech  
University

## Registration Form

Name : \_\_\_\_\_

Gender : Male ☐ Female ☐

Designation/Organization : \_\_\_\_\_

Mailing Address : \_\_\_\_\_

E-mail : \_\_\_\_\_

Phone Number : Office \_\_\_\_\_ Residence \_\_\_\_\_ Mobile \_\_\_\_\_

Title of Paper/ID : \_\_\_\_\_

Details of Payment : \_\_\_\_\_

Category : Tutorial ☐ Conference ☐ Both ☐

Mode of Payment : DD ☐ Wire Transfer ☐

DD Number : Date: \_\_\_\_\_ Amount: \_\_\_\_\_

Name and address of the bank on which the draft is drawn : \_\_\_\_\_

Journal Number (In case of Wire Transfer Please): \_\_\_\_\_

(Please send the scanned ECS Transfer copy)

Place: \_\_\_\_\_ Signature of Participant \_\_\_\_\_

Date: \_\_\_\_\_

## Registration Details

	Indian Delegates			Foreign Delegates		
	Students	Academic Staff	Industrial Staff	Students	Academic Staff	Industrial Staff
Tutorial	Rs.1000/-	Rs.2000/-	Rs.3000/-	\$25/-	\$50/-	\$80/-
Conference	Rs.2000/-	Rs.4000/-	Rs.5000/-	\$50/-	\$100/-	\$120/-
Tutorial+Conference	Rs.2500/-	Rs.5000/-	Rs.7000/-	\$60/-	\$150/-	\$150/-

## Mode of Payment

All payments are to be made by Demand Draft / Bankers Cheque drawn in favor of "The Director, CPDE" payable at Chennai.  
Payments from abroad can be made by Bank Transfer. Particulars for bank transfer are as follows:

Bank : Indian Bank, Radha Nagar, Chromepet, Chennai – 44.  
Swift Code : IDIBINBBMAS  
Account Name & No : ICoAC & 968081377  
Beneficiary : MIT, Chromepet

For further details Contact:

**Convener, ICoAC 2012**

Department of Computer Technology, Anna University, Madras Institute of Technology Campus,  
Chrompet, Chennai - 600 044 Tamilnadu (India)

Email: [icoac@annauniv.edu](mailto:icoac@annauniv.edu) URL: [www.annauniv.edu/ICOAC2012/](http://www.annauniv.edu/ICOAC2012/)

Phone: +91 44 2251 6231, 6232, 6229