

### About the Conference

The International Conference on "Advanced Computing and Communication Technologies for High Performance Applications", focuses on the communication requirements of the systems, directly induced or required by high performance computing systems. An essential element of modern day distributed and high performance computing system is the trade-off in the amount of computation versus the amount of communication performed. Certain applications are inherently communication-intensive while in others, communication steps may be replaceable with local computations and vice versa. At the same time, systems resources may support large communication requirements. In some other systems, physical or power constraints may limit the communication support. This conference is motivated by the fact that parallel computing on a network of computers using commodity components has received much attention recently, thereby leading to noticeable progress towards usable systems. A number of researchers in academics and industries have been active in this field of research. Recently, HPC has moved into wide areas of applications including cluster-based supercomputers, such as data warehouses, line-of-business (LOB) applications and transaction processing. Parallel solutions dramatically improve the performance of image processing and simulations using new computing and communication technologies. Developing software for simulations of physical processes poses particular challenges, because of the advanced mathematical models that are used when describing the problems to be solved.

ALL COMMUNICATIONS MAY BE ADDRESSED TO

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## 2<sup>nd</sup> International Conference on

# ADVANCED COMPUTING & COMMUNICATION TECHNOLOGIES FOR HIGH PERFORMANCE APPLICATIONS

7<sup>th</sup> Dec 2010 -10<sup>th</sup> Dec 2010



Organised by

Department of Computer Science & Engineering



FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)<sup>TM</sup>

Hormis Nagar, Mookkannoor P.O., Angamaly - 683 577, Kerala



Hormis Nagar  
29<sup>th</sup> November 2010

Dear Sir / Madam

The Management, Faculty and Students of FISAT have immense pleasure to invite you for the inaugural ceremony of the Second International Conference on "Advanced Computing and Communication Technologies for High Performance Applications" on Tuesday, December 7<sup>th</sup> 2010 at 2 pm in the Seminar Hall, FISAT.

The Conference will be inaugurated by **Dr. Ajaykumar IAS**, Chairman, KSITM & Principal Secretary, Information Technology, Govt. of Kerala.

**Sri. P.V. Mathew**, Chairman, Governing body, FISAT will preside over the meeting.

We look forward to your gracious presence on this auspicious occasion.

**Dr. P.S. Sreejith**  
Principal

**Dr. K.S.M. Panicker**  
Organising Chair

**Hansa J Thattil & JayaRani Thomas**  
Convenors

## Programme

7<sup>th</sup> December 2010 Tuesday, 2.00 p.m.

- Invocation
- Welcome Speech : **Dr. P.S. Sreejith**, Principal, FISAT
- Presidential Address : **Sri. P.V. Mathew**  
Chairman, Governing body, FISAT
- Inaugural Address : **Dr. AjayKumar IAS**, Chairman, KSIM  
& Principal Secretary, Information Technology,  
Govt. of Kerala
- Theme Paper Presentation : **Dr. K.S.M. Panicker**  
Dean, Planning & Research, FISAT.
- Felicitations : **Dr. Gary S. H.TAN**  
National University of Singapore  
(NUS), Singapore.  
: **Prof. K.T. Arasu**,  
Wright State University, U.S.A.  
: **Ms. Mini Ulanat**  
Regional Student Co-ordinator- CSI  
& Systems Manager, CUSAT
- Keynote Address : **Dr. Umesh Bellur**, IIT Mumbai
- Vote of Thanks : **Sri. Prasad J.C.**, Head of CSE Dept, FISAT
- National Anthem