<u>Coimbatore Institute of Technology , Coimbatore -641 014</u>

<u>IEEE – 2011 INTERNATIONAL CONFERENCE ON PROCESS AUTOMATION, CONTROL AND COMPUTING (IEEE – PACC2011) REPORT</u>

Industrial automation plays an increasingly important role in today's world economy. From automated video surveillance to highway systems to manufacturing sector to home automation, the field of automation has tremendous applications and impact on today's daily life. Whereas mechanization provides human operators with machinery to assist them with the muscular requirements of work, automation decreases the need for human sensory and mental requirements. When the industrial automation was decided as the focal theme of the conference, the tools associated with the automation process, namely, artificial neural networks, distributed control systems, human machine interface, SCADA, PLC, PAC came to our mind in tandem. These tools invariably require a lot of control techniques, which, in turn, require tremendous computational skills. This eventually led us to the choice of the conference title as **Process Automation Control and Computing** or **PACC 2011** in short.

The online paper submission process was initiated from 15-01-2011. Though the initial deadline was on 31-04-2011, owing to numerous requests from several research groups, the paper submission deadline was extended to 15 April 2011. By this time, we had received a total of 577 papers. After double blind review process, we finally registered a total of 136 papers for oral and 45 papers for poster presentation   A two-day pre-conference tutorial on Trends in Process Automation, Control and Computing was planned subsequently to bring in more relevance to the conference. Eminent speakers from all over the world were requested for to deliver lecture in the tutorial session.

The following experts delivered the lectures in the preconference tutorial and for the conference

Prof.B.Wittenmark, Department of Automatic Control, Lund Institute of Technology, Sweden

Prof.P.R.KUMAR, University of Illinois, **Urbana Champaign, USA**

Dr.Richard Lai, LaTROBE University, **Melbourne, Australia**

Prof.Lakshminarayanan, NUS, Singapore

Prof.N.P.Mahalik, Professor, California Institute of Technology, Fresno, USA

Prof.Ashok Rao, Former Professor, IISC Bangalore

Prof.Sachin C Patwardhan, IIT Bombay

Prof. S.Sundaramoorthy, PEC, Pondichrry

Prof,Ramalatahamarimuthu, Global Chair, IEEE WIE

To encourage the research scholars who are doing research in the area of process automation, control and computing, an exclusive interaction forum was planned. This is first of its' kind and will provide excellent opportunity for the doctoral students to discuss their problems with some of the pioneers in the field and evolve strategies and solutions.

The conference provided a platform to young researchers, scientists and students to mingle with experts of International repute. Further ideas of research are extracted from the technical sessions and plenary session, wherein technical papers of deliberated at length. The ideas obtained will be further researched upon to produce newer interesting results would be of immense help to researchers working in the fields of automation, control and computing.

Organizing Secretaries