NATIONAL CONFERENCE ON PROCESS AUTOMATION, CONTROL AND COMPUTING (NCPACC 2018)
November 9-10, 2018

REGISTRATION FORM

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Signature of the   Signature of the
Candidate   Head of the Institution
     (with seal)

Note: Photocopies of the registration forms can also be used in case of necessity. Separate registration forms must be submitted in case if multiple authors intend to attend the conference.

GUIDELINES FOR SUBMISSION

The research paper should be in standard two columns IEEE format, limited to a maximum of 5 pages, including figures and tables.

PUBLICATION IN UGC APPROVED REFEREED JOURNAL

The selected papers after peer review will be published in a UGC approved international journal. The authors will be intimated separately about the comments raised by the journal review team.

IMPORTANT DATES

First draft submission	: 10.10.2018
Acceptance notification	: 20.10.2018
Camera ready submission along with Registration Fees	: 27.10.2018

REGISTRATION FEE

Delegates from Industries	: Rs. 1500/-
Research Scholars and Faculty	: Rs. 1000/-
Students (PG)	: Rs. 750/-

ADDRESS FOR COMMUNICATION

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NATIONAL CONFERENCE ON PROCESS AUTOMATION, CONTROL AND COMPUTING (NCPACC 2018)

November 9-10, 2018

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Organised by

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING
(DST - FIST, UGC - SAP Supported Department)
Annamalainagar - 608 002
Tamil Nadu

NATIONAL CONFERENCE ON PROCESS AUTOMATION, CONTROL AND COMPUTING (NCPACC2018)

ABOUT THE UNIVERSITY

In the early 1920s, Rajah Sir S.R.M. Annamalai Chettiar founded Sri Minakshi College, Sri Minakshi Tamil College and Sri Minakshi Sanskrit College at Chidambaram. In 1928, Rajah Sir S.R.M. Annamalai Chettiar agreed with the local Government to handover the above-said institution for establishing a University. Thus, on 01.01.1929 Annamalai University was established as per Annamalai University Act 1928 (Tamil Nadu Act 1 of 1929). One of the most significant developments is the enactment of the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), which has come into force from September 25, 2013. Annamalai University is accredited with 'A' Grade by NAAC in 2014. "The NIRF-2018" by the Ministry of Human Resource Development (MHRD) has ranked the University in the band 101 - 150 in the overall category as well as the University Category. In the Pharmacy Category, the ranking is 20th in India. In the Medical Category, the ranking is 24th. "The Times Higher Education World University Ranking - 2018" has ranked Annamalai University in 801 - 1000 for Overall category and 401 - 500 for Life Sciences category. "The CWTS Leiden Ranking 2017", on scientific impact of universities and on universities' involvement in scientific collaboration & scientific performance, has ranked the University at 14th based on the number of publications and 3rd based on the proportion of publications that, compared with other publications in the same field and in the same year, belong to the top 10% most frequently cited. "The Nielsen - India Today Ranking" (2017) has ranked Annamalai University 11th among the top 30 Universities in India. Among the top 100 institutions for Higher Education in India the "SCImago Institutional Ranking" has ranked Annamalai University as 4th in Tamil Nadu and 20th in India. Annamalai University is one of the largest unitary, teaching, and residential universities in Southern Asia comprising 10 Faculties and 49 departments of study. This University has played a pivotal role in providing access to higher education to thousands of youth cutting across the social spectrum, especially from economically and socially disadvantaged classes. In this respect, this University's service to the nation is tremendous.

ABOUT THE DEPARTMENT

The Department of Electronics and Instrumentation Engineering was established in the year 1988. With its unique combination of Electronics and Instrumentation in those times, this branch of Engineering was offered from the year 1975 under the Electrical Engineering department. A huge growth in the field of industrial automation and then the rise in the demand for the instrument engineers led to the bifurcation from its parent department during the year 1988. After the bifurcation, as one of the departments of Faculty of Engineering and Technology, the Electronics and Instrumentation Engineering department is showing a sustainable growth in every vertical of Electronics and Instrumentation stream. The Department of Electronics and Instrumentation Engineering promises to deliver a high-class teaching to make students industry ready through the state of the art laboratory infrastructure and well-qualified teachers. Various funding agencies and schemes join hands to reinforce teaching and research activities for the prosperity of Department and the society at large. The Department is now supported by DST FIST, UGC SAP etc., to maintain research climate in the campus. The master degree programme in Process control and Instrumentation is one of a kind intended to infuse deeper knowledge in the field. The PG programmes in Bio-Engineering and Microelectronics and MEMS have emerged by keeping their roots on Electronics, Control and Instrumentation. The MEMS design centre which guarantee high-quality research added one more feather in the cap. The Department of Electronics and Instrumentation Engineering pledges to provide an excellent platform to undertake research in various fields not just limited to Process control, Sensors and networks, Instrumentation, signal processing, Renewable energy, Power electronics drives and control, VLSI, MEMS and Bioengineering.

CONFERENCE SCOPE

Industrial automation plays an increasingly important role in today's world economy. From automated video surveillance to highway systems to the 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/algorithm/ system 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 utilise a lot of control techniques, which in turn, require huge computational skills. This eventually led us to the choice of the conference title as **Process Automation Control and Computing** or **PACC** in short.

The conference topics included but not limited to the following broad areas:

- Linear / Nonlinear Control
- Adaptive and Optimal Control
- Network-based Control
- Model Predictive Control
- Intelligent Control
- Wireless Sensor Networking
- Embedded Systems and Control
- Image and Signal Processing
- Navigation Control and Algorithm
- Robotics and Communication
- MEMS and NANO-Sensor
- Sensor Fusion and Optical Sensor
- Bio sensors
- Medical System and Control
- Cloud Computing
- Mechatronics
- Chemical Process Engineering
- IOT and IIOT

DD should be drawn in favour of **"The Registrar, Annamalai University", payable at Annamalainagar.**

At least one of the authors of a paper should register for the conference on or before **27.10.2018** in order to include the paper in the conference proceedings.