



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

6th National Workshop on Advances in Positioning, Navigation & Communication APNC 2019

August 13 - 14, 2019

Organized by

Department of CSE, Faculty of E & T, SRM IST,
Kattankulathur, Tamil Nadu - 603 203, India



The National Level Workshop on Advances in Positioning, Navigation and Communication will take place on 13th and 14th August 2019 in SRMIST, Chennai, Tamil Nadu, India. Accurate location and tracking information are becoming just as important as communication. Although the mobile position-aware systems, combined with modern wireless technologies are becoming increasingly present in daily life, there are still technological obstacles and challenges. This workshop will be devoted to recent advances in positioning, navigation and communications, as well the current state-of-the-art in techniques and system.

LEARNING OBJECTIVES

By attending this workshop, you will gain an understanding of:

- the physical & geometrical properties of location technologies
- how satellite communication enables weather forecasting
- the basis of positioning, its limitations and accuracy
- how location awareness is specified in cellular networks (GSM, LTE.)
- positioning technologies in non-cellular networks (WiFi, WPAN..)
- the fundamentals of GPS & other satellite navigation systems
- India's own satellite navigation system and its importance in critical national applications
- location technologies that are likely to gain traction in the future
- geo-statistical analysis & modelling using GIS tools
- how to use Inertial Measurement Units for Positioning & Navigation

Who should attend?

The workshop will feature a series of Lectures and Hand-on sessions on related software / tools. Hence it is ideally suited for:

- Faculty and students who want a better understanding of location based technologies and services
- Those who need to be brought up to date in the field of GPS / GNSS
- Those who require a working knowledge in geo- statistical analysis and modelling

Prerequisites

Although there are no specific prerequisites, for maximum benefit, familiarity with wireless principles and undergraduate engineering mathematics is helpful.

Convener

Dr. B. Amutha, Professor & Head,
Dept of Computer Science & Engg

RESOURCE PERSONS



5G Technology
Mr. Rajaram Venkatraman, Convenor and Head
FICCI Tamil Nadu Technology Panel
and President, SPIN Chennai



Hybrid Navigation System - INS /GPS
Dr. G. Anitha, Associate Professor
Division of Avionics
Dept. of Aerospace Engg, MIT Campus
Anna University, Chennai

Payment Details

Bank : Indian Bank
Branch : SRM University
Acc. Name : COMPUTER SCIENCE ENG & ASSO
Acc. No : 459777790
IFSC Code : IDIB000S181

Registration Fee

Industrial Personnel	Rs. 1000
Faculty	Rs. 750
Research Scholars, Students	Rs. 500

(Mention APNC2019 in the remarks column while doing transaction)

The registration fee includes the Workshop Kit, Lunch and Refreshments. The number of seats is limited and the participants will be chosen on first-come-first-serve basis.

After registration fee payment, fill the registration form in the given link

<https://tinyurl.com/apnc2019>

Last date for registration is 10-August-2019

Accommodation

Boarding / Lodging facilities will be provided for outstation participants on additional payment of Rs.1000. The payments includes accommodation for both days with Breakfast & Dinner. No TA/DA will be given.

Patrons

Dr. T.R.Paarivendhar, Chancellor
Mr. Ravi Pachamoothoo, Chairman
Dr. P.Sathyanarayanan, President
Dr. R.Shivakumar, Vice President



Advisory Committee

Dr. Sandeep Sancheti, Vice Chancellor
Dr. T.P.Ganesan, Pro-VC
Dr. N.Sethuraman, Registrar
Dr. C.Muthamizhchelvan, Director (E&T)
Dr. SRS. Prabakaran, Join Director (Research)
Dr. S.S. Sridhar, Professor



Contact

Dr. J. Kalaivani +91 9790273451
Mr. C. Rajesh Babu +91 9994089886
kalaivaj@srmist.edu.in

Organizing Committee

Dr. T. Manoranjitham, Asst. Prof
Dr. J. Kalaivani, Asst. Prof
Dr. T. Sujithra, Asst. Prof
Dr. A. Sudha, Asst. Prof
Dr. M. Baskar, Asst. Prof
Mrs. K.R. Jansi, Asst. Prof
Mr. V. Deeban Chakravarthy, Asst. Prof
Mrs. R. Jeya, Asst. Prof
Mr. S. Jagadeesan, Asst. Prof
Mr. M. Arul Prakash, Asst. Prof
Mr. C. Rajesh Babu, Asst. Prof
Mrs. D. Vanusha, Asst. Prof
Mrs. M.Revathi, Asst. Prof
Mr. P. Kirubanantham, Teaching Assistant
Mr. B. Manickavasagam, Research Scholar
Mr. C. Janarthanan, Dept Librarian

