



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)
CHENNAI



School of Computing Science and Engineering, VIT Chennai

The Management, Faculty, Staff and Students cordially invite you to the

Inaugural Function of

International Conference on Recent Trends in Advanced Computing (ICRTAC - CPS 2018)

Dr. U B Desai

Director, IIT Hyderabad

will be the Chief Guest

Dr. Ing. Sian Lun Lau

Professor and Dean, Department of Computing and Information Systems
Sunway University, Malaysia

will be the Guest of Honor

Dr. G. Viswanathan

Founder & Chancellor, VIT

will preside

Sankar Viswanathan

Vice President

Dr. Sekar Viswanathan

Vice President

G.V. Selvam

Vice President

Kadhambari S. Viswanathan

Asst. Vice President

Dr. Anand A. Samuel

Vice Chancellor

Dr. N. Sambandam

Pro Vice Chancellor

Date : 10th September, 2018 (Monday) | Time: 09.30 AM

**Venue : Administrative Block, 5th Floor Seminar Hall,
VIT Chennai**



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School of Computing Science and Engineering, VIT Chennai

The Management, Faculty, Staff and Students cordially invite you to the

Valedictory Function of

International Conference on Recent Trends in Advanced Computing (ICRTAC - CPS 2018)

Mr. J Kesavardhanan

Chief Executive Officer

K7 Computing Private Limited, Chennai

will be the Chief Guest

Dr. Shivakumara Palaiahnakote

Professor, University of Malaya

Kualalumpur, Malaysia

will be the Guest of Honor

Dr. G. Viswanathan

Founder & Chancellor, VIT

will preside

Sankar Viswanathan

Vice President

Dr. Sekar Viswanathan

Vice President

G.V. Selvam

Vice President

Kadhambari S. Viswanathan

Asst. Vice President

Dr. Anand A. Samuel

Vice Chancellor

Dr. N. Sambandam

Pro Vice Chancellor

Date : 11th September, 2018 (Tuesday) | Time: 02.30 PM

Venue : Administrative Block, 5th Floor Seminar Hall,

VIT Chennai

VIT – A place to learn; A chance to grow



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CHENNAI



INVITATION

**International Conference on Recent Trends in
Advanced Computing (ICRTAC - CPS 2018)**

10th & 11th September 2018
VIT Chennai

To

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**1st IEEE INTERNATIONAL CONFERENCE ON RECENT TRENDS IN
ADVANCE COMPUTING (ICRTAC - '18)
Conference Day – 1 (10/09/18)
Program Schedule**

<u>Timing</u>	<u>Events</u>
8.30 am to 9.30 am	Registration
9.30 am – 10:30 am	Inaugural Function Venue: 5th Floor Auditorium, Admin block
10.30 am – 10.45 am	Tea Break
10:45 am – 12 noon	<u>Key Note – 1</u> “Cyber Physical Systems, Sensors and IoT” Dr.U.B.Desai, Director, IIT, Hyderabad Venue: 5th Floor Auditorium, Admin block
12 noon – 1.15 pm	<u>Key Note – 2</u> “Going Green Smartly and in Style: How On-campus Solar Will Evolve in India ” Dr.Shivkumar K CEO, GE Power Conversion Venue: 5th Floor Auditorium, Admin block
1:15 pm – 2:00 pm	Lunch
2:00 pm – 3:00 pm	<u>Key Note – 3</u> “Analytics for Physical Systems” Dr.Venkatesh Sarangan, Principal Scientist and Head,TCS Venue: 5th Floor Auditorium, Admin block
3.00 pm – 5.00 pm	Paper Presentation



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**1st IEEE INTERNATIONAL CONFERENCE ON RECENT TRENDS IN
ADVANCE COMPUTING (ICRTAC - '18)
Conference Day – 2 (11/09/18)
Program Schedule**

<u>Timing</u>	<u>Events</u>
9:00 am – 10:30 am	<u>Key Note – 4</u> “Forgery Detection in Document and IMEI Number Images” Dr.Shivkumara Palaiahnakote, Professor, University of Malaya Venue: 5th Floor Auditorium, Admin block
10:30 am – 10.45 am	Tea Break
10.45 am – 12 noon	<u>Key Note – 5</u> “Achieving a Smart and Sustainable City through Democratization of Data” Dr.Ing Sian Lun Lau Professor, Sunway University, Malaysia Venue: 5th Floor Auditorium, Admin block
12 noon – 1.30 pm	Paper Presentation
1:30 pm – 2.30 pm	Lunch
2.30 pm – 3.15 pm	Valedictory Venue: 5th Floor Auditorium, Admin block
3.15 pm	Tea Break

DAY 1 – (10/09/2018) Time: 3:15 p.m. – 5:00 p.m. Venue: Seminar Hall, 5 th Floor Admin block				
Track	Session Chair Members	S. No	Paper ID & Time	Paper Title
Track 1	Dr. Kumar R Dr. Sweetlin Hemalatha/ IEEE MEMBER	1	6 (3:15-3:30)p.m.	Road Congestion based Traffic Management System with Dynamic Time Quantum
		2	10 (3:30-3:45) p.m.	Trust model for cloud providers using Linear equations
		3	21 (3:45-4:00) p.m.	Power Quality Enhancement by Integrating Distributed Generation in Distribution System
		4	62 (4:00-4:15) p.m.	Security in Cloud Computing
		5	92 (4:15-4:30) p.m.	Performance Enhancement of The Electronic Refrigerator Controller using Cloud
		6	94 (4:30-4:45) p.m.	The Feasible Job Scheduling Algorithm for Efficient Resource Allocation Process in Cloud Environment

DAY – 1 (10/09/2018) || Time: 3:15 p.m. – 5:00 p.m. || Venue: 501, 5th Floor Admin block

Track	Session Chair Members	S. No	Paper ID & Time	Paper Title
Track 2	Dr.Vaidehi Vijayakumar Dr. Geetha S Dr.Ing.Slan Lun Lau	1	68 (3:15-3:30)p.m.	JPEG Metadata: A complete study
		2	69 (3:30-3:45)p.m.	Prediction of Theoretical Limit for Test Data Compression
		3	72 (3:45-4:00)p.m.	DYNAMO: Dynamic Multimodal Route And Travel Recommendation System
		4	78 (4:00-4:15)p.m.	SpinPad: A Secured PIN Number Based User authentication Scheme
		5	90 (4:15-4:30) p.m.	Cloud inside Attack Detection using Machine Learning
		6	95 (4:30-4:45)p.m.	Real-Time Localization of a Person Using Smart Phone

DAY 1 – (10/09/2018) Time: 3:15 p.m. – 5:00 p.m. Venue: 502, 5 th Floor Admin block				
Track	Session Chair Members	S. No	Paper ID & Time	Paper Title
Track 3	Dr. Bharadwaja Kumar Dr. Shyamala Dr. Shivakumar Palaiahnakote	1	8 (3:15-3:30)p.m.	Swarm Intelligence Approach for User Clustering Based Recommender System
		2	13 (3:30-3:45)p.m.	Head Pose Estimation using Transfer Learning
		3	19 (3:45-4:00)p.m.	Big Data for E-Governance
		4	26 (4:00-4:15)p.m.	On Factorization of Semiprimes and Related Applications through Pythagorean Tuples
		5	31 (4:15-4:30)p.m.	Acceleration of Hadoop
		6	52 (4:30-4:45)p.m.	TensorFlow Based Website Click through Rate (CTR) Prediction using Heat maps

DAY 2 (10/09/2108) Time: 11:30 a.m. – 1:00 p.m. Venue: Seminar Hall, 5 th Floor Admin block				
Track	Session Chair Members	S. No	Paper ID & Time	Paper Title
Track 1	Dr. Vaidehi Vijayakumar Dr. T.S.PradeepKumar Dr.Nayeemullah Khan	1	7 (11:30-11:45)a.m.	An Energy-Efficient Algorithm Using Layer Heads For Software-Defined Wireless Sensor Networks
		2	25 (11:45-12:00)p.m.	Clustering and Data Aggregation in Wireless Sensor Networks Using Machine Learning Algorithms.
		3	76 (12:00-12:15)p.m.	Reliable Flooding in Location-Aided Routing Protocol for Wireless Sensor Networks
		4	80 (12:15-12:30)p.m.	Design of a new controller for switching of energy sources applied to Hybrid Electric / Electric vehicle
		5	88 (12:30-12:45)p.m.	Survey of Middle-wares for Internet of Things
		6	93 (12:45-1:00)p.m.	Enhancing Localization Accuracy in Wireless Sensor Networks using Range-free methods and RSS Measurements

DAY 2 – (11/09/2018) Time: 11:30 a.m. – 1:00 p.m. Venue: 501, 5 th Floor Admin block				
Track	Session Chair Members	S. No	Paper ID & Time	Paper Title
Track 2	Dr. G Malathi Dr. Asnath Victy Phamila Dr.Shivakumar Palaiahnakote	1	84 (11:30-11:45)a.m.	Determining Response Credibility by Blink Count
		2	89 (11:45-12:00)p.m.	Empty Seat Revelation System Using Face Detection And Correlation Matching
		3	91 (12:00-12:15)p.m.	Eye State Detection for Use in Advanced Driver Assistance Systems
		4	98 (12:15-12:30)p.m.	Liveliness Detection in Real Time Videos using Color based Chromatic Moment
		5	61 (12:30-12:45)p.m.	Argumentative Analysis on Persuasive Essays
		6	107 (12:45-1:00)p.m.	Investigation of Breast Melanoma using Hybrid – Image Processing Tool

DAY 2 – (11/09/2108) Time: 11:30 a.m. – 1:00 p.m. Venue: 502, 5 th Floor Admin block				
Track	Session Chair Members	S. No	Paper ID & Time	Paper Title
Track 3	Dr. Renuka Devi Dr. Anusha K Dr.Ing.Slan Lun Lau	1	27 (11:30-11:45)a.m.	Enhanced Energy Efficient Stable Clustering Algorithm for Mobile Ad Hoc Networks
		2	73 (11:45-12:00)p.m.	Evolution of Malware Detection Modeling Systems
		3	74 (12:00-12:15)p.m	A Survey on Co-Operative Communication in 4G-LTE Wireless Networks
		4	96 (12:15-12:30)p.m.	Enhancing Data Security in IoT Healthcare Services Using Fog Computing
		5	83 (12:30-12:45)p.m.	An Intelligent Fuzzy Rule based Feature Selection for Effective Intrusion Detection
		6	23 (12:45-1:00)p.m.	Reducing Attribute Couplet Attack in Social Networks using Factor Analysis