

International Conference on *Signals, Machines and Automation* (SIGMA 2018)

(23 – 25 February, 2018, NSIT Delhi)

Program Highlights

Day 1: 23rd February 2018 (Friday)

08:00AM – 09:30AM	Registration (Venue: ADMIN BLOCK)			
09:30AM – 10:30AM	SIGMA Inaugural Event Keynote (Venue: Main Auditorium, Admin Block)		Registration (Venue: ADMIN BLOCK)	
10:30AM – 11:00AM	Tea Break (Venue: Green Room Admin Block)			
11:00AM – 11:30AM	Main Auditorium: Keynote Lecture Prof. Sukumar Mishra, IIT Delhi, India			
11:30AM – 01:00PM	Parallel Technical Sessions			
	Applications Using Intelligent Techniques in Electronics & Communication (AITEC-1) Session chair: Dr. Pragya Varshney (NSIT Delhi) Session Co-chair: Dr. Tarkeshwar (BIT Misra) (Venue: Main Audi, Admin Block) Paper ID: 3,26,71,92,93,76,470	Applications Using Intelligent Techniques in Electrical & Energy System (AITEES-1) Session chair: Prof. S. Mishra (IIT Delhi) Session Co-chair: Dr. Arun K Verma (MNIT Jaipur) (Venue: Mini Audi, Adjoint Block) Paper ID: 49,56,63,67,75, 6	Intelligent Tools and Techniques (IT&T-1) Session chair: Prof.Meena Tushir (MSIT Delhi) Session Co-chair: Dr. A.N Jha (NSIT Delhi) (Venue: Room No.9, Block-6) Paper ID: 7,42,61,91,111,120	Applications Using Intelligent Techniques in Mechanical & Automation (AITMA-1) Session chair: Prof. S. Maheshwari (NSIT Delhi) Session Co-chair: Dr. P.K Bajpai (NSIT Delhi) (Venue: Room No.13, Block-6) Paper ID: 127,197,276,353,431
01:00PM – 02:30PM	Lunch (Venue: New Block, Smart classroom Parking)			
02:30PM – 03:00PM	Main Auditorium: Keynote Lecture from COMMSCOP			
03:00PM – 03:30PM	Main Auditorium: Keynote Lecture Sh. Aninda Boss, Senior Editor, Springer Nature			
03:30PM – 05:00PM	Parallel Technical Sessions			
	Applications Using Intelligent Techniques in Electrical & Energy System (AITEES-2) Session chair: Dr. Vineet Kumar (NSIT Delhi) Session Co-chair: Dr. Vikash Maheshkar (NSIT Delhi) (Venue: MainAudi, Admin Block) Paper ID: 157,255,285,333,359 41	Applications Using Intelligent Techniques in Electronics & Communication (AITEC-2) Session chair: Prof. Maneesha Gupta (NSIT Delhi) Session Co-chair: Dr. Tarun Rawat (NSIT Delhi) (Venue: Mini Audi, Adjoint Block) Paper ID: 86,108,237,249,355,457,253	Intelligent Tools and Techniques (IT&T-2) Session chair: Prof. S. Srivastava (NSIT Delhi) Session Co-chair: Dr. S. Sasmal (NSIT Delhi) (Venue: Room No.9, Block-6) Paper ID: 141,142,163,243,254 ,149	Applications Using Intelligent Techniques in Mechanical & Automation (AITMA-2) Session chair: Dr. AK Yadav (NIT Sikkim) Session Co-chair: Dr.Umang Soni (NSIT Delhi) (Venue: Room No.13, Block-6) Paper ID: 258,343,352,379,412, 335
05:00PM – 05:15PM	TEA BREAK			

Day 2: 24th February 2018 (Saturday)

08:00AM – 09:30AM	Registration (Venue: Room No. 13, BLOCK-6, Division of Instrumentation & Control Engineering)			
09:30AM – 10:00AM	Main Auditorium: Keynote Lecture Prof. Majid Jamil, Jamia Millia Islamia Delhi, India			
10:00AM – 10:30AM	Main Auditorium: Keynote Lecture Dr. Nishchal Verma, IIT Kanpur, UP, India			
10:30AM – 11:00AM	Tea Break (Venue: Green Room Admin Block)			
11:00AM – 12:30PM	Parallel Technical Sessions			
	Applications Using Intelligent Techniques in Electrical & Energy System (AITEES-3) Session chair: Prof. Majid Jamil (JMI Delhi) Session Co-chair: Dr. Papia Ray (VSSUT, Burla) (Venue: S01, New Block) Paper ID: 18,35,36,62,74,390	Applications Using Intelligent Techniques in Electronics & Communication (AITEC-3) Session chair: Dr. D.K. Upadhyay (NSIT Delhi) Session Co-chair: Dr. Naveen K Sharma (PTU Punjab) (Venue: S02, New Block) Paper ID: 54,87,100,105,107 ,211	Intelligent Tools and Techniques (IT&T-3) Session chair: Dr. Nishchal Verma (IIT Kanpur) Session Co-chair: Prof. M. Rizwan (DTU, Delhi) (Venue: S03, New Block) Paper ID: 57,68,153,171,172, 173,391	Applications Using Intelligent Techniques in Mechanical & Automation (AITMA-3) Session chair: Prof. Narendra Kumar (DTU Delhi) Session Co-chair: Dr. Bhavnesh Kumar (NSIT Delhi) (Venue: S04, New Block) Paper ID: 415,150,161,169,178 10
12:30PM – 02:00PM	Lunch (Venue: New Block, Smart classroom Parking)			
02:00PM – 02:30PM	Main Auditorium: Keynote Lecture Dr. Atif Iqbal, Qatar University, Qatar			
02:30PM – 03:00PM	Main Auditorium: Keynote Lecture Prof. Imtiaz Ashraf, AMU Aligarh, India			
03:00PM – 04:30PM	Parallel Technical Sessions			
	Applications Using Intelligent Techniques in Electrical & Energy System (AITEES-4) Session chair: Prof. Imtiaz Ashraf (AMU Aligarh) Session Co-chair: Dr. Surender Reddy (South Africa) (Venue: S01, New Block) Paper ID: 84,85,112,122,123,119,238	Applications Using Intelligent Techniques in Electronics & Communication (AITEC-4) Session chair: Prof. Parul Garg (NSIT Delhi) Session Co-chair: Dr. Monika Gupta (MAIT Delhi) (Venue: S02, New Block) Paper ID: 175,181,226,375,389 ,213	Applications Using Intelligent Techniques in Health care & Management (AITHM-1) Session chair: Dr. D.K. Khokhar (IIHMR, Delhi) Session Co-chair: Dr. Duru Arun Kumar (NSIT Delhi) (Venue: S03, New Block) Paper ID: 380,451,156,190,215	Artificial Intelligence and Knowledge Computing (AIKC1) Session chair: Prof. Rachna Garg (DTU Delhi) Session Co-chair: Dr. Atif Iqbal (Qatar) (Venue: S04, New Block) Paper ID: 295,303,349 ,473, 184,367,78
04:30PM – 04:45PM	TEA BREAK			
04:45PM – 06:00PM	Parallel Technical Sessions			
	Applications Using Intelligent Techniques in Electrical & Energy System (AITEES-5) Session chair: Dr R. K. Singh (IGDTUW Delhi) Session Co-chair: Dr. Akhilesh Singh (SIT Pithoragarh) (Venue: S01, New Block) Paper ID: 183,189,195,206,145,192	Applications Using Intelligent Techniques in Electronics & Communication (AITEC-5) Session chair: Dr. Monika Gupta (MAIT Delhi) Session Co-chair: Dr. Sanjay Aggarwal (IGNOU Delhi) (Venue: S02, New Block) Paper ID: 468,493,235,309 , 350,289	Applications Using Intelligent Techniques in Health care & Management (AITHM-2) Session chair: Dr. Duru Arun Kumar (NSIT Delhi) Session Co-chair: Dr. Arvind Dhaiya (NSIT Delhi) (Venue: S03, New Block) Paper ID: 203,224,228,292,199 , 329	Artificial Intelligence and Knowledge Computing (AIKC2) Session chair: Prof. Shahida Khatoun (JMI Delhi) Session Co-chair: Dr. Saurabh Bhardwaj (Thapar Univ.) (Venue: S04, New Block) Paper ID: 242,270,275,382,363, 376

Day 3: 25th February 2018 (Sunday)

(Venue: NSIT DELHI)

08:00AM – 09:30AM	Registration (Venue: Room No. 13, BLOCK-6, Division of Instrumentation & Control Engineering)			
09:30AM – 10:00AM	Main Auditorium: Keynote Lecture Prof. B. K. Panigrahi (IIT, Delhi)			
10:00AM – 10:30AM	Main Auditorium: Keynote Lecture Prof. Y. R. Sood (NIT, Puducherry)			
10:30AM - 11:00AM	Tea Break (Venue: Green Room Admin Block)			
11:45AM – 01:00PM	6 Parallel Technical Sessions			
	Applications Using Intelligent Techniques in Electrical & Energy System (AITEES-6) Session chair: Prof. Y.R. Sood (NIT, Puducherry) Session Co-chair: Dr. Bhavnesh Kumar (NSIT Delhi) (Venue: S01, New Block) Paper ID: 69,131,146,148 384,218,246,301	Engineering Trends in Soft Computing Techniques (S-61008) Session chair: Dr. M. Saad (AMU) Session Co-chair: Dr.Manoj Lonkar (CG Mumbai) (Venue: S02, New Block) Paper ID: 64,200,202,239,455,386 159,348,357	Applications Using Intelligent Techniques in Health care & Management (AITHM-3) Session chair: Dr. Saurabh Bhardwaj (Thapar) Session Co-chair: Dr.Parul Arora (HMR Delhi) (Venue: S03, New Block) Paper ID: 15,180,248,393,368,410,472,411	Applications Using Intelligent Techniques in Electrical & Energy System (AITEES-8) Session chair: Dr. Rajesh Kumar (GGSIPU) Session Co-chair: Dr. Anuradha Tomar(HMR, Delhi) (Venue: S04, New Block) Paper ID: 113,240,241,273,290,405,452,344
	Parallel Technical Sessions			
	Applications Using Intelligent Tool & Techniques Session chair: Prof. Bharat Bhusan (DTU, Delhi) Session Co-chair: Dr. Pragya Varshney (NSIT, Delhi) (Venue: Room No.13, Block-VI) Paper ID: 346,364,388,391,393,418,358,488	Applications Using Intelligent Techniques Session chair: Prof. Amit Prakash Singh (GGSIPU) Session Co-chair: Dr. Rajneesh Sharma (NSIT Delhi) (Venue: Room No.09, Block-VI) Paper ID:366,383,386,464,466,115,491,370		
01:30PM Onwards	Valedictory Function (Venue: Main Auditorium, Admn. Block)			