

Detailed Oral Session Schedule

Thursday, March 15 2012

Part I

Inaugral Session

1 Session Name: Inaugral Session

1.1 Session Time: 9:30 am - 10:30 am

1.2 Room: LT-3

Part II

Keynote Session

2 Session Name: Keynote 1 (Prof. C. S. Burrus)

2.1 Session Time: 11:00 am to 12:00 noon

2.2 Room: LT-3

Part III

Session No.: 1

3 Session Name: Signal Processing 1

3.1 Session Time: 12:00 pm - 1:00 pm

3.2 Room: CR-8

3.3 Session Chair: Prof. S. Kher

3.4 List of Papers

3.4.1 Improvement in Interference Rejection Capability using Space-Time Turbo Code and Adaptive Beamforming for MIMO-OFDM System

- Suchita Varade and Kishore Kulat.

3.4.2 A Rough-set Based Binarization Technique for Fingerprint Images

- Paridhi Munshi and Suman Mitra.

3.4.3 Polyphase Orthogonal Waveform using Modified Particle Swarm Optimization Algorithm for MIMO Radar

- Roja Reddy B and Uttara Kumari.

Part IV

Session No.: 2

4 Session Name: Network and Communication

4.1 Session Time: 2:30 pm - 3:30 pm

4.2 Room: CR-8

4.3 Session Chair: Prof. A. Kumar

4.4 List of Papers

4.4.1 Optimized WDM Network with Consideration of Lesser Blocking Probability and Shortest Path Selection

- Aman Sharma, Sandeep Sachdeva and Ajay Kakkar.

4.4.2 Reducing Data Transmission in WSNs using Time Series Prediction

- Surender Soni, Narottam Chand and Dharendra Pratap Singh.

4.4.3 Soft Handoff analysis and its effects on downlink capacity of 3G CDMA cellular networks

- Shalini Aggarwal, Shiv K Tomar and Alok Aggarwal.

Part V

Session No.: 3

5 Session Name: VLSI

5.1 Session Time: 4:00 pm - 5:00 pm

5.2 Room: CR-8

5.3 Session Chair: Prof. T.S. Lamba

5.4 List of Papers

5.4.1 Biphase Amplifier Based Precision Rectifiers Using Current Conveyors

- Mohd. Samar Ansari, Iqbal A. Khan, Sudhanshu Maheshwari and Parveen Beg.

5.4.2 Design and Simulation of High Level Low Power 7T SRAM Cell Using Various Process and Circuit Techniques

- Shyam Akashe, Shipra Mishra, Amit Dubey, Shelendra Singh Tomar and Sanjay Sharam.

5.4.3 Behaviour of n-MISISFET in nanoregime-TCAD simulation

- Tarun Chaudhary, Gargi Khanna and Rajeevan Chandel.

Friday, March 16, 2012

Part VI

Session No.: 4

6 Session Name: Artificial Intelligence, Neural Networks, Control and Automation

6.1 Session Time: 9:30 am - 10:30 am

6.2 Room: CR-8

6.3 Session Chair: Prof. S. Kher

6.4 List of Papers

6.4.1 An Efficient Linear Regression Classifier

- Hai Wang and Fei Hao.

6.4.2 Graphical User Authentication: A Time Interval Based Approach

- Sarosh Umar, Qasim Rafiq and Juned Ansari.

6.4.3 Trajectory based methods for Nonlinear MOR: Review and Perspectives

- Shahkar Nahvi, Mashuq Un-Nabi and S Janardhanan.

Part VII

Keynote Session

7 Session Name: Keynote 2 (Prof. A. Kumar)

7.1 Session Time: 11:00 am to 12:00 noon

7.2 Room: LT-3

Part VIII

Session No.: 5

8 Session Name: Signal Processing 2

8.1 Session Time: 12:00 pm - 1:00 pm

8.2 Room: CR-8

8.3 Session Chair: Prof. C.S. Burrus

8.4 List of Papers

8.4.1 ECG Based Human Authentication using Synthetic ECG Template

- Amit Kaul, A. S. Arora and Sushil Chauhan.

8.4.2 Exposing Structural Tampering in Digital Images

- Vinod Mall, Kedar Bhatt, Suman K. Mitra and Anil K. Roy.

8.4.3 Real-Time Position Estimation and Tracking of a Basketball

- Bodhisattwa Chakraborty and Sukadev Meher.

Part IX

Keynote Session

9 Session Name: Keynote 3 (Prof. S. Kher)

9.1 Session Time: 2:30 pm to 3:30 pm

9.2 Room: LT-3

Part X

Session No.: 6

10 Session Name: Signal Processing 3

10.1 Session Time: 4:00 pm - 5:00 pm

10.2 Room: CR-8

10.3 Session Chair: Prof. S. Bhooshan

10.4 List of Papers

10.4.1 Power line interference cancellation in ECG signal using Alpha-Beta Filter

- Shilpa Jamwal.

10.4.2 High Speed Signed Multiplier for Digital Signal Processing Applications

- Sandesh Saokar, Rajeshwari Banakar and Saroja Siddamal.

10.4.3 A Multilingual Speech Database for Speaker Recognition

- Utpal Bhattacharjee and Kshirod Sarmah.

Saturday, March 17 2012

Part XI

Session No.: 7

11 Session Name: Signal Processing 4

11.1 Session Time: 9:30 am - 10:30 am

11.2 Room: CR-8

11.3 Session Chair: Prof. C.S. Burrus

11.4 List of Papers

11.4.1 Unsupervised Techniques of Segmentation on Texture Images: A Comparison

- Anita Khanna and Manish Shrivastava.

11.4.2 Image Compression by using New Wavelet Bi-Orthogonal Filter Coefficients

- Vimal Kumar and Surendra Kumar Agarwal.

11.4.3 Weighted Average Multi Segment Histogram Equalization for Brightness Preserving Contrast Enhancement

- Mohd. Farhan Khan, Ekram Khan and Z.A. Abbasi.

Part XII

Session No.: 8

12 Session Name: Signal Processing 5

12.1 Session Time: 11:00 am - 12:00 pm

12.2 Room: CR-8

12.3 Session Chair: Prof. A. Kumar

12.4 List of Papers

12.4.1 Classication of Liver Diseases from Ultrasound Images using Hybrid Kohonen SOM and LPND Speckle Reduction Method

- Suganya Ramamoorthy and Rajaram Sivaram.

12.4.2 Single Image Fog Removal Using Bilateral Filter

- Abhishek Tripathi and Sudipta Mukhopadhyay.

12.4.3 Design and Implementation of Reed Solomon Decoder for 802.16 Network using FPGA

- Bhawna Tiwari and Rajesh Mehra.

Part XIII

Valedictory Session

13 Session Name: Valedictory Session

13.1 Session Time: 12:00 am - 1:00 am

13.2 Room: LT-3