

AICTE Sponsored

ETWT2010

National Conference on

“Emerging Trends in Wireless Technologies”

23rd and 24th July 2010

**Thiagarajar College of Engineering
Madurai**

PROGRAM SCHEDULE

23 July Friday	DAY ONE
8:00 AM	REGISTRATION : ECE Department, TCE
9:00–9:30	INAUGURATION : K.S.Auditorium, TCE
9:45 – 10:30	KEYNOTE ADDRESS : Speaker: Dr.K.P.Ray, Head, RF and Microwave Power Systems Division , SAMEER, Mumbai
10:30–10:45	HIGH TEA
10:45–11:15	TECHNICAL SESSION 1 : Conference Hall, CSE Department, TCE Invited talk: Er.A.Senthil, Agilent Technologies
11:15–1:15	Contributed Papers
1:15–2:00	LUNCH
2:00–2:30	POSTER SESSION ECE Seminar Hall
2:30–3:15	KEYNOTE ADDRESS : Speaker: Dr.P.H.Rao, Senior Scientist, SAMEER-CEM, Chennai
3:15–3:30	TEA
3:30– 5:00	TECHNICAL SESSION 2 : Conference Hall, CSE Department, TCE
24 July Saturday	DAY TWO
8:30 AM	REGISTRATION : ECE Department, TCE
9:00–9:45	KEYNOTE ADDRESS : Speaker: Er.Thirumalai kumar, Research Engineer, GTF, Siemens- India
9:45–11:00	TECHNICAL SESSION 3 : Conference Hall, CSE Department
11:00–11:15	TEA
11:15–1:00	TECHNICAL SESSION 4 : Conference Hall, CSE Department
1:00–2:00	LUNCH
2:00–2:30	KEYNOTE ADDRESS : Speaker: Dr.S.Raghavan, Professor, NIT, Tiruchirappalli
2:30–3:45	TECHNICAL SESSION 5 :Conference Hall, CSE Department
3:45–4:00	TEA
4:00 –4:30	VALEDICTORY SESSION : Conference Hall, CSE Department

Guideline :
Oral Presentation
Authors' Guideline: Time for each contributory paper is 15 minutes including Question/ Answer. POWER POINT slides in PPT and PDF formats (Microsoft office 2003) are recommended to carry on CD as well as USB drive.
Poster Session
Vertical laminated board will be provided for holding/pasting the posters. Single sheet or multi-sheet Poster may be prepared to fit within the space having width: 2.5 feet and height: 4 feet.

DAY ONE
● Friday, July 23 ● 8:00 AM ECE Department, TCE
Registration
● Friday, July 23 ● 9:00 AM KS Auditorium, TCE
Inaugural Session
● Friday, July 23 ● 10:00 AM Conference Hall, CSE Department, TCE.
Keynote Address: <i>Speaker: Dr.K.P.Ray, Head, RF and Microwave Power Systems Division, SAMEER, Mumbai.</i>
10.45 AM -11.00 AM Tea Break
11.00 AM – 1.00 PM Technical Session 1: Conference Hall, CSE Department, TCE
OS 1.1: Inclined CTS Antenna array for Wireless Application P.Jothilakshmi ¹ and S. Raju ² 1 Velammal college of Engg Technology, Madurai 2 Thiagarajar College of Engineering, Madurai
OS 1.2: Printed Rectangular Monopole Antenna for GSM and ISM Bands K. P. Ray ¹ , S. S. Thakur ² and R. A. Deshmukh ¹ 1 SAMEER, IIT Campus, Powai, Mumbai-400 076, India 2 Leelavati Awhad Institute of Technology, Badlapur , Mumbai, India

OS 1.3: A Novel Based Rectangular Patch Microstrip Antenna For CELL Band Applications

P.Gunapandian¹ and B.Manimegalai²

1 Sethu Institute of Technology, Virudhunagar.

2 Thiagarajar College of engineering, Madurai

OS 1.4: Coplanar Capacitive fed Stacked Microstrip Antenna For GPS Application

S.Murugan¹ and V.Rajamani²

1 K.L.N. College of Engineering, Pottapalayam, Sivagangai Dist

2 Indira Ganesan College of Engineering. Trichirapalli, Tamilnadu

OS 1.5: Synthesis of Antenna array Pattern for Radar Application using Particle Swarm Optimization

T.R.Muthu¹ and B.Manimegalai²,

1 Ultra College of Engineering for Women, Madurai,

2.Thiagarajar College of engineering, Madurai

OS 1.6: A Novel Miniaturized reflective line phase shifter"

V.K.Manoharan¹, N.Karthikeyan¹, S.Sindhuja¹, S.Deepak Ram Prasath², S.Raju²,
V.Abhaikumar²

1 P.S.G. College of Technology, Coimbatore

2.Thiagarajar College of engineering, Madurai

OS 1.7: GSM Based Embedded Data-Acquisition System for Real-Time Applications

P.Sivakrishna and B.D.Venkataramana Reddy,
M.I.T.S, Madanapalle, Chittor (dt), AP.

OS 1.8: QoS Guaranteed Fair Opportunistic Cross Layer Scheduling for MIMO OFDM Wireless Networks

T.Aruna and M.Suganthi

Thiagarajar College of Engg, Madurai

OS 1.9: Improvised Vehicular Ad hoc Network implementation technique

S.Sivagurunathan¹ and Karthikeyan²

1 Thiagarajar College of Engineering, Madurai

2 P.S.Y. Engineering College, Madurai

01:00 PM – 02:00 PM Lunch

02:00 PM – 02:30 PM Poster Session Seminar Hall, ECE Department

PS 1.1: Zero-overhead encryption and authentication scheme for real-time embedded multimedia systems

K.Maladevi¹, V.Sabarish² and M.Vivek Raja²
1 Govt. Polytechnic for Women, Madurai
2 Thiagarajar College of Engineering, Madurai

PS 1.2 : The Design of a Compact Square Microstrip Patch Antenna (SMPA) with DMS and Slotted Ground Plane for WLAN Applications

Halappa Gajera, Anoop C.N, Lakshmikanth A.C, Yogitha H.L and Sowmya A.S
Post Graduate Centre, Hemagagothri, University of Mysore, Hassan, Karnataka, India

PS 1.3 : A fractal based Coplanar waveguide continuous transverse stub antenna for wireless communications

Anuradha, Latha Madhavan Engineering College, Madurai

PS 1.4 : MEMS in Wireless

K.A.Santhi Kuduva, V.P.M's Polytechnic, Thane, Maharashtra

PS 1.5 : Investigation of multiband performance of a Sierpinski fractal antenna

R.Karthikkumar, M.Suganya and B.Manimegalai
Thiagarajar College of Engineering, Madurai

PS 1.6 : An Arm Processor Based Multilevel Authentication System

V.Naga sumathy¹, L.C.Vinoth Babu² and Sikkandar Fazil²
1 Govt.Polytechnic for Women, Madurai 2 Thiagarajar College of Engineering, Madurai

PS 1.7 : Compact Fractal Antenna Adopted at Wireless Terminal in MIMO System

K.R.S.Ravi kumar¹ and B.Manimegalai²
1 Research Scientist, SAMEER-CEM, Chennai
2 Thiagarajar college of Engineering, Madurai

PS 1.8 Security Analysis in Wireless networks

J.Imelda, T.Seethalakshmi, K.L. N. College of Engineering, Madurai

PS: 1.9 Silicon-On-Nothing (SON) – An Innovative Architecture for Advanced CMOS: A Review

P.Vimala and N.B.Balamurugan
Thiagarajar College of Engineering, Madurai

PS 1.10 A CPW - Fed Tree Shaped Fractal antenna for UWB applications Ultrawide band fractal antenna for wireless applications

K.Kavitha, K.L.N. College of Information and Technology,
Pottapalayam, Madurai

<p>PS 1.11 Metamaterial based Printed Antenna for wireless applications B.Ananthimeena, Vickram College of Engineering, Madurai</p>
<p>PS 1.12 Call Admission Controller Using Fuzzy Logic In Wideband Cdma Cellular Network P.Suryaprakash, S.Balagi, K.L.N. College of Information and Technology, Madurai</p>
<p>PS 1.13: Multimedia for Higher Education & M-Learning Pratima Manhas, Shaveta Thakral MRIU, Faridabad</p>
<p>PS 1.14: Design and Simulation of four Arm-Sinuuous Slot Antenna S.Anandaraj, Mepco Schlenk Engineering College, Sivakasi</p>
<p>02:30 PM Conference Hall, CSE Department, TCE</p> <p>Key note address <i>Speaker: Dr.P.H.Rao, Senior Scientist, SAMEER-CEM, Chennai</i></p>
<p>03.15 PM - 3.30 PM Tea Break</p>
<p>3:30 PM- 5:00 PM Technical Session 2 : Conference Hall, CSE Department, TCE</p>
<p>OS 2.1 : The Design of a Compact Sandwiched Dielectric Layer Circular Microstrip Patch Antenna (SCMPA) with Slot Loaded Ground Plane for Wireless Applications Halappa Gajera, Anoop C. Lakshmikanth A. Post Graduate Centre, Hemagagothri, University of Mysore, Hassan, Karnataka</p>
<p>OS 2.2 : Patch Array Antenna With Modified Ground-Plane For Wireless Applications Y.Sathishkumar¹ and P.Gunapandian² 1 Kalasalingam University, Krishnankoil. 2 Sethu Institute of Technology, Virudhunagar.</p>
<p>OS 2.3 : Sierpinski Gasket Fractal Monopole antenna for Multiband Applications G.Krishnaveni, K.L.N.College of Information Technology, Madurai, TamilNadu</p>
<p>OS 2.4 : Modified Tapered antenna array for Sidelobe reduction S.Divya, B.Revathi and M.Anandhan Latha Madhavan Engineering. College, Madurai</p>
<p>OS 2.5 : Wide Band Monopole antenna for Wireless Application, M.Manonmani Sethu Institute of Technology, Madurai</p>

<p>OS 2.6 : An Algorithm for Blind Frequency Offset Estimation in OFDM Systems S. Nisha rani and K.Muthulakshmi S.V.Chettiar College of Engineering, Puliangudi</p>
<p>OS 2.7 : Performance evaluation of I/Q imbalance compensated superimposed physical Layer network coding with Diversity and Optimal power allocation V.N.Senthil Kumaran, M.Prem Kumar and S.J.Thiruvengadam, Thiagarajar College of Engineering, Madurai -625 015</p>
<p>DAY TWO</p>
<p>• Saturday, July 24 • 09:00 AM Conference Hall, CSE Department, TCE. Key note address <i>Speaker : Er.Thirumalai kumar , Senior Research Engineer, GTF, Siemens - India</i></p>
<p>09.45 AM – 11.00 AM Technical Session 3 Conference Hall, CSE Department, TCE.</p>
<p>OS 3.1: Design and Implementation of Beacon Signals Simulator for 3G GEOLUT Receiver System K.N Raja Rao and Sangeetha K.N. R.V.College of Engineering, Bangalore</p>
<p>OS 3.2: Real Time Network Intrusion Detection Architecture S.Sangeetha and A.Sujatha priyadharshini Prist University, Thanjavur</p>
<p>OS 3.3 : Joint carrier frequency offset, timing and Channel Estimation for OFDM Systems M.N. Suresh, M. Guru Prasath D. Chandra Mouli, S.J. Thiruvengadam and V. Abhaikumar Thiagarajar College of Engineering, Madurai</p>
<p>OS 3.4: Simulation Study on the Performance of STBC and DSTBC schemes for MC-CDMA MIMO wireless channel N.Sathish Kumar and K.R.Shankar Kumar, Sri Ramakrishna Engineering College, Coimbatore</p>
<p>OS 3.5: Channel Estimation for Decode and Forward Wireless Relay Networks using Best Linear Unbiased Estimation Approach M.PremKumar, V.N.SenthilKumaran and S.J.Thiruvengadamr Thiagarajar College of Engineering, Madurai</p>

OS 3.6: Cumulant Based Direction Detection and Spatial Beamforming

Elavarisi.E, Jyothi.S and Aaquib Nawaz.S,
R.V.College of Enineering, Bangalore

OS 3.7: Performance Analysis of 3GPP-LTE Downlink Control Channel (PHICH Channel) with Perfect and Imperfect Channel State Information

K. Rajeswari¹, J.P.P. Jemimah² and S.J.Thiruvengadam¹
1 Thiagarajar College of Engineering, Madurai
2 Karunya Engineering College, Coimbatore

11.00 AM – 11.15 PM Tea Break

11.15 PM- 1.00 PM Technical Session 4 Conference Hall, CSE Department, TCE

OS 4.1: Implementation and Testing of Internet protocol Multimedia Subsystem

G. Sadashivappa and N.Rohini
R.V.College of Engineering, Bangalore

OS 4.2: Energy Optimization in Wireless Sensor Network Using Bidirectional Energy Splitable Model

A.Rajeswari¹ and P.T. Kalaivaani²
1 Coimbatore Institute of Technology, Coimbatore
2 Sri Krishna college of Engineering and Technology, Coimbatore

OS 4.3: A Reliability Aware Flooding Algorithm (RAFA) In Wireless Multi-hop Networks

I.Sakthidevi and A.Sangeetha
Raja College of Engineering & Technology,
Madurai

OS 4.4: Multi User Diversity based Power Efficiency in CSMA Networks

J.Kanimozhi
K.L.N. College of Information technology, Pottapalayam,
Madurai

OS 4.5: Protecting energy efficient Data Aggregation against False Data Injection in Wireless Sensor Networks

J.Illakia and S.Sivaranjani
Kalasalingam university, Madurai

OS 4.6: OS 3A.8: Differential evolution approach to Cloud Classification

V.Divya, P.Chitra, B.Sathyabama and S.Raju
Thiagarajar College of Engineering, Madurai

OS 4.7: Cast Shadow Removal in Optimal Color Space HSV Using Homomorphic Filter and GMM

A.Ramachandran¹ and B.Yogameena²
1 P.T.R College of Engineering and Technology, Madurai.
2 Thiagarajar College of Engineering, Madurai

01:00 PM – 02:00 PM Lunch

02:00 PM Key note address Conference Hall, CSE Department, TCE

*Speaker: Dr.S.Raghavan, Professor,
Electronics and Communication Engineering,
NIT, Tiruchirappalli*

2.30 PM – 3.45 PM Technical Session 5 Conference Hall, CSE Department, TCE

OS 5.1: Technology Assessment of Hybrid Approaches to the Fabrication of High Performance Silicon Nanowire Transistors

M.Karthigai Pandian¹ and N.B.Balamurugan²
1 Velammal college of Engineering and Technology, Madurai
2 Thiagarajar College of Engineering, Madurai

OS 5.2: FPGA Implementation of decoder For LTE

K.Kalyani, S.Dhivyathangam, T.Karpagambigai R.SaliniDevi and S.Rajaram,
Thiagarajar College of Engineering, Madurai

OS 5.3: Wireless Image Transmission Based on the Embedded System

S.Jeyasudha
Bharath Niketan Engineering College, Aundipatti, Theni

OS 5.4: Design of MIMO Test bed with an FPGA Board For Emerging LTE Wireless Test bed

R.Pavithra¹ A.Monic Sheela¹ and S.Rajaram²
1 Velammal college of Engineering and Technology, Madurai
2 Thiagarajar College of Engineering, Madurai

OS 5.5: Performance analysis of dual-material gate MOSFETs for reduced short channel effects

P. Suveetha Dhanaselvam¹ and N. B. Balamurugan²

1 Velammal College of Engineering, Madurai

2 Thiagarajar College of Engineering., Madurai

OS 5.6: A Review of Despeckling Methods on SAR Images

R.Sivaranjani¹ and Mohammed Mansoor Roomi²

1 Sethu Institute of Technology, Madurai

2 Thiagarajar College of Engineering, Madurai

OS 5.7: An Enhanced Closed-Loop MIMO Design For WiMax

1 S.Rajkumar, Sethu Institute of Technology, Virudhunagar.

2 P.G.S.Velmurugan, Thiagarajar college of Engineering, Madurai.

03.45 PM – 04.00 PM Tea Break

04.00 PM – 04.30 PM Valedictory Function Conference Hall, CSE Department, TCE