PROCEEDINGS OF THE NINETEENTH NATIONAL RADIO SCIENCE CONFERENCE (NRSC’2002)

Organized By:
The Academy of Scientific Research and Technology,
The National Radio Science Committee (NRSC),
and
The Faculty of Engineering, Alexandria University.

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C11: Receivers for MACPM Signals Based Upon the Laurent's Representation, Ehab Sabri, Salameh Ikki and El-Sayed Youssef*, Arab Academy for Science and Technology and Alexandria University*.


C13: The Restoration Of Degraded Old Motion Pictures, M. M. Hadhoud, M. I. Dessouky, and A. M. Abbas, Faculty of Electronic Eng., Menoufia University.

C14: Improved Method For Blocking-Artifact Reduction in Block Coded Images in Wavele-Transform Domain Mohiy M. Hadhoud, Mohamed M. Foaad* and Hanaa A. Abd Allah*, Menoufia University and Zagazig University*.


C23: Centralized Adaptive MMSE Detectors For Multirate DS-CDMA In Multipath Fading Channels, Mostafa S. El-Khamy, Said Elnoubi, and Onsy Abdel Alim, Alexandria University.


C26: An Automatic System For The Analysis and Classification Of Esophageal Motility Records, Fatma Abou-Chadi, A. A. Sif El-din and N. Gad-El-Hak*, Faculty of Engineering and Faculty of Medicine*, Mansoura University.

C27: An Automatic Testing Technique For PLDs, Amr Elasyed, Mohamed Elbably and Hatem Elbolok, Helwan University.


C29: An Efficient Object Tracking Technique Using Block-Matching Algorithm, Shrif Abd El-Azim, Imbaby Ismail* and Howida Abd El-Latif*, Cairo University and Atomic Energy Authority*.

C30: On the Optimal Choice of Wavelet Bases and Signal Compression Using the Wavelet Lifting Scheme, M. F. Fahmy, G. M. A. El-Raheem, Y. M. Yaseen and A. A. Sommia*, Assiut University, R&D Center Naser City*.

D2: AN RF CMOS Modified-Cascode LNA With Inductive Source Degeneration, Hafez Fouad, Khaled Sharaf*, Essam El-Diwany and Hadia El-Hennawy*, Electronics Research Institute and Ain Shams University*.

D3: High Frequency Noise Simulation of MOSFET’s Short Channel Effects Using PSPICE, Hafez Fouad, Khaled Sharaf*, Essam El-Diwany and Hadia El-Hennawy*, Electronics Research Institute and Ain Shams University*.

D4: Low-Power CMOS Analog Front-End For Wireless Communication, A. A. Taha**, M. A. Abo-El-Soud, R. A. Abdelrassoul and A. K. Farrag*, Mansoura University, National Telecomm Institute* and Egyptian Radio and Television Union**.

D5: Modeling Trans-conductance and Capacitance-Voltage Characteristics of AlGaAs/GaAs HEMTs, R. A. Abdel Rassoul, M A. Yakout, A. I. Abdel Fattah and S. G. Essa, Mansoura University.


D7: Current-Controlled Oscillator Units Practical Implementations in Phase Locked Loops, M. A. Abou El-Atta, M. Abou El-Ela and M. K. El-Said, Ain Shams University.

D8: Four Quadrant Current Multiplier and it’s Application as a Phase Detector, M. A. Abou El-Atta, M. Abou El-Ela and M. K. El-Said, Ain Shams University.


D12: Effect of the Buffer Layer on the Microwaves Properties in the Coplanar Waveguide for LiNbO3 Optical Modulators With Super Conducting Electrodes, T. E. Taha, K. A. Mostafa, A. A. Aboul-Enien, Faculty of Electronic Eng. – Menoufia University and Alexandria University*.


5. COMMISSION F: WAVE PROPAGATION & REMOTE SENSING:

F1: Microwave Propagation on Line of Sight Oversea Path in Lebanon, Abdulkarim Elsabbagh, S. Abou Chahine, and H. N. Kheirallah *, Beirut Arab University - Lebanon and Alexandria University*.


6. **COMMISSION H: WAVES IN PLASMA:**

H1: Modeling and Automatic Control of Nuclear Reactors, Imbaby I. Mahmoud, Atomic Energy Authority.


7. **COMMISSION K: ELECTROMAGNETICS IN BIOLOGY AND MEDICINE:**

K1: Diffusion Tensor Magnetic Resonance Imaging of Lesions in Multiple Sclerosis Patients, Ibrahim Elshafiey- Fayoum Branch - Cairo University.

K2: Heart Diseases Diagnosis Using Heart Sounds, Onsy Abdel-Alim, Nadder Hamdy* and Mohammed A. El-Hanjouri*, Alexandria University and Arab Academy For Science & Technology *.


K4: Liver Tumor Hyperthermia Using an NxN Ultrasound Phased Array, N. H. Ismail and K. A. Abo El-Ela*, Alexandria University and Air Defense College *
