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3-4 October 2012, Atomic Energy Centre, Dhaka**

LIST OF THE CONFERENCE PAPERS ID

Telecommunication & Computer Networks :Technical session – 1&2		
Paper ID		
TCN-01	Title:	Performance Analysis of DS-CDMA under Conventional Correlation Receiver & Rake Receiver
	Authors:	Md.Mahbub Hossain ^{#1} , Dr.Md.Maniruzzaman ^{#2} , Md.Abdul Awal ^{#3} Electronics and Communication Engineering Discipline, Khulna University Khulna-9208, Bangladesh, mahbub.eceku@yahoo.com
TCN-02	Title:	Design, Construction & Comparative Study of BPSK Modulator Circuit using Balance Modulator & AD633 Multiplier IC for Transmission of High Speed Signal.
	Authors:	Nahid Akter *, Zahid Hasan Mahmood**, Shirin Akter*** * Lecturer, Dept. of Computer Science & Telecommunication Engineering, Noakhali Science & Technology University, Sonapur, Noakhali. E-mail: nahid_nstu@yahoo.com , ** Professor, Dept. of Applied physics, Electronics and Communication
TCN-03	Title:	Base Station Placement of Mobile Communication System: A Particle Swarm Optimization Approach
	Authors:	Md. Monirojjaman Monshi ¹ and M. S. Alam ² , Shekh Md. Mahmudul Islam ² Nuclear Power & Energy Division, Bangladesh Atomic Energy Commission, E-mail: monir_apece@yahoo.com Dept. of Applied Physics, Electronics & Communication Engineering, University of Dhaka, E-mail: msalam@univdhaka.edu
TCN-04	Title:	Energy Efficient Routing in Wireless Sensor Network
	Authors:	S. A. Ahsan Rajon and Md. Mahbubur Rahman Computer Science and Engineering Discipline, Khulna University, Khulna-9208, Bangladesh. ahsan.rajon@gmail.com
TCN-05	Title:	Simulation Based Comparative Study of Multicarrier Code Division Multiple Access Scheme
	Authors:	Md. Adil Mahmud and Jia Uddin
TCN-06	Title:	DF Relay's Position Optimization for 2-Hop Cognitive Radio Network
	Authors:	Md. A. Islam (raju19922@yahoo.com), M. H.Masood(nutts1985@gmail.com), P. C.Mazarati(pmazarati@yahoo.fr)and Wlodek J. Kulesza(mailto:wlodek.kulesza@bth.se)
TCN-07	Title:	Implementation of the Dynamic Data Bus Sizing Feature of the 80386DX Microprocessor to Connect 16-Bit Memory System
	Authors:	Golam Mostafa, krdbdgm@yahoo.com
TCN-08	Title:	PERFORMANCE ANALYSIS OF MOBILE AD-HOC NETWORK ROUTING PROTOCOLS OVER UDP
	Authors:	Rahat Hossain Faisal ¹ , A. N. M. T. Islam ² , Md. Tarek Habib ³ , Farruk Ahmed ⁴ ¹ Department of Electronics and Telecommunication Engineering, Prime University, Dhaka, Bangladesh, ² Department of CSE, Islamic University, Kushtia, Bangladesh ³ Department of Computer Science and Engineering, Prime University, Dhaka, Bangladesh. ⁴ School of Engineering and Computer Science, Independent University, Dhaka, Bangladesh. { rhfaisal@ymail.com , tawhid@ibtra.com , md.tarekhabib@yahoo.com , farruk@secs.iub.edu.bd }
TCN-09	Title:	SECURE ELECTRONIC CASH TRANSFER USING BLUETOOTH ENABLED DEVICES
	Authors:	Tahmina Rahman ¹ ,Engr. Md. Ziaul Haque ² , Engr. Mohammad Ziaur Rahman ³ , Prof. Dr. Mohammad Zahidur Rahman ⁴ ¹ Computer Programmer, ² Associate Professor, ³ Senior Assistant Director ^{1,2,3} University Grants Commission of Bangladesh, Agargoan, Dhaka-1207 ⁴ Dept. of Computer Science & Engineering, Jahangirnagar University, Savar E-mail: muktous@yahoo.com , ziaut96@gmail.com
TCN-10	Title:	MATLAB Analysis of an Algorithm for Null Steering Beam forming of a Smart Antenna
	Authors:	Ummee Tania Ahmed ¹ , Md .Abdul Matin ² and Sekendar Ali ¹ 1 The University of Asia Pacific (UAP) Dhaka. 2 Bangladesh University of Engineering and Technology(BUET) Dhaka.

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TCN-11	Title:	Performance Evaluation of Alamouti Space-Time Block Coded Multi-User W-CDMA Wireless Communication System
	Authors:	M.M. Rahman ¹ , S.E.Ullah ² , S. M. Abdur Rahim ^{1*} , Md. Jashim Uddin ³ ¹ Department of Applied Physics, Electronics and Communication Engineering, Islamic University, Kushtia, Bangladesh ² Department of Information and Communication Engineering, Rajshahi University, Rajshahi-6205, Bangladesh ³ Department of Information and Communication Engineering, Islamic University, Kushtia, Bangladesh E-mail: smrahimiu@yahoo.com
TCN-12	Title:	Implementation and Performance Evaluation of Proposed Iterative Parallel Algorithm to Solve Large System of Linear Equations (LSLE)
	Authors:	Subrata Kumar Dey, Mohammad Noor Nabi, Mohammed Anwer, Farruk Ahmed ¹ School of Engineering and Computer Science, Independent University, Bangladesh e-mail: subrata@secs.iub.edu.bd, mnnabi@secs.iub.edu.bd, manwer@secs.iub.edu.bd
TCN-13	Title:	Parallel Query Processing on a Homogeneous Cluster
	Authors:	Mohammad Noor Nabi, Sabbir Mahmud, Mohammed Anwer School of Engineering and Computer Science, Independent University, Bangladesh, Dhaka, Bangladesh. mnnabi@iub.edu.bd, smahmud@iub.edu.bd, manwer@iub.edu.bd
TCN-14	Title:	Performance Analysis of Alpha-beta-gamma ($\alpha\beta\gamma$) Filter in Radar Tracking by Varying Smoothing Coefficient (ξ)
	Authors:	Wg Cdr Dr Mohammed Hossam-E-Haider ⁽¹⁾ , Md. Saiduzzaman ⁽²⁾ , Nazmul Rahim ⁽³⁾ and Asif Al Faisal ⁽⁴⁾ ⁽¹⁻⁴⁾ Electrical, Electronic and Communication Engineering Department Military Institute of Science and Technology, Mirpur Cantonment, Dhaka ⁽¹⁾ haider8400@yahoo.com , ⁽²⁾ sajibece09@yahoo.com , ⁽³⁾ nazmuleece7@yahoo.com , ⁽⁴⁾ asif1062@ymail.com
TCN-15	Title:	Analysis of WAAS Errors and Its Improvement Through Dual Frequency Ranging
	Authors:	Wg Cdr Dr Mohammed Hossam-E-Haider ⁽¹⁾ Flg Offr Shafkat Jamil Saadi ⁽²⁾ ⁽¹⁾ Electrical, Electronics and Communication Engineering Department, ⁽²⁾ Aeronautical Engineering Department, MIST, Mirpur Cantt, Dhaka, ⁽¹⁾ haider8400@yahoo.com , ⁽²⁾ shafkatsaadi@gmail.com
TCN-16	Title:	Measurement of Earth Plate Displacement By Using GPS
	Authors:	Wg Cdr Dr Mohammed Hossam-E-Haider ⁽¹⁾ Flg Offr Farhana Zaman ⁽²⁾ ⁽¹⁾ Electrical, Electronics and Communication Engineering Department ⁽²⁾ Aeronautical Engineering Department MIST, Mirpur Cantt, Dhaka, ⁽¹⁾ haider8400@yahoo.com , ⁽²⁾ farhanasharmee@gmail.com
TCN-17	Title:	Online Examination System in Bangladesh Context
	Authors:	Md Zahirul Islam, Md Mostafizur Rahman, and Dr Md Kabirul Islam Department of CSE, Daffodil International University
TCN-18	Title:	Study of the Message Authentication Techniques for Secured Electronic Transaction
	Authors:	Sydul Islam Khan ¹ , Md. Alamgir Kabir ² , Md. Ismail Jabiullah ³ and M. Lutfar Rahman ¹ ¹ Department of Computer Science and Engineering, Daffodil International University, Bangladesh, ² Department of Software Engineering, Daffodil International University, Bangladesh ¹ ksonju_cs@yahoo.com , ² mijjabi@daffodilvarsity.edu.bd
Instrumentation and Control Systems: Technical Session – 3,4 &5		
ICS-01	Title:	Development of a Simple Rescue Robot
	Authors:	Ainul Anam Shahjamal Khan, Md. Mahabub Hasan, Moinul Arefin, Department of Electrical and Electronic Engineering, Chittagong University of Engineering & Technology, Chittagong, Bangladesh. E-mail: shine_cuet@yahoo.com Mailing address: 82/A A. C. Dutta Lane, Patherghata, Chittagong.

ICS-02	Title:	Microcontroller Based friend or foe (FoF) Detection System
	Authors:	M. M. Rahman, S. R. Sabuj ¹ , T. Baten, and K. J. A. Chisty Department of Electrical and Electronic Engineering Green University of Bangladesh, ¹ Metropolitan University, Sylhet, tasmia_105@yahoo.com , 1saifuriict@gmail.com
ICS-03	Title:	Fuzzy Logic Based Vehicular Traffic Flow Control System
	Authors:	Md. AsifIqbal, ZainuSadia Islam, AdibaZahin, and M. Shamim Kaiser‡ Dept. of Electrical Electronics and Communication Engineering, Military Institute of Science and Technology Email:asif1268@gmail.com, zainu_mist@yahoo.com ,in.background@yahoo.com ‡Institute of Information Technology, Jahangirnagar University. Email:mskaiser@univ.edu
ICS-04	Title:	An Interactive Disaster Recovery System Using Android Smartphone
	Authors:	Md. Zamilur Rahman, Rashed Mazumder Assistant Professor, Department of Information and Communication Technology, Mawlana Bhashani Science and Technology University E-mail: zamiljitu@gmail.com, rakhu345@yahoo.com Md. Saiful Islam, Md. Shihab Uddin, Sharaban Tahora B.Sc. (Engg.) Student, Department of Information and Communication Technology, Mawlana Bhashani Science and Technology University E-mail: litonthehero@yahoo.com
ICS-05	Title:	Temperature and Strain Compensated Optical Sensor Based on Fiber Bragg Grating
	Authors:	Sher Shermin Azmiri Khan Department of Computer Science, Central Women's University, 6 Hatkhola Road, Dhaka 1203. Email: shermin03@yahoo.com
ICS-06	Title:	Design and Development of a Microcontroller Based Dedicated Counting Device for Mosquito Larvae and Pupae
	Authors:	Nusrat Jahan, M. G. S. Islam, M. Aliuzzaman and F. Ahmed <i>Institute of Nuclear Science and Technology (INST), Atomic Energy Research Establishment (AERE), Ganakbari, Savar, Bangladesh.</i> E-mail: palash.eng07@gmail.com , { shilas_door , ahmedfarhana66 , shahinrecd }@yahoo.com. Corresponding Author: palash.eng07@gmail.com
ICS-07	Title:	Controlling Home Appliances Using Computer Application
	Authors:	Shahidul Islam Khan, Pritam Singh, Shuvo Das Gupta Dept. of EEE, International Islamic University Chittagong College road, Chawkbazar, Chittagong , nayemkh@yahoo.com ; shahid@eee.iuuc.ac.bd
ICS-08	Title:	Analysis and Simulation of a Three Phase Inverter With Space Vector Modulation Technique
	Authors:	Md. Forhad Zaman and Foyzur Rahman, Rajshahi University, rajshahi.
ICS-10	Title:	Design and Development of Reference Password Lock Opener Device (RPLD)
	Authors:	Md. Shabuj Hossen ¹ , Md. Nasrul Haque Mia ² , Md. Anzan-Uz-Zaman ² , Md. Shah Alam ² , Khandokar Asaduzzaman ² , Md. Nazrul Islam ² , Md. Abu Sayid Haque ² , Mahbulul Hoq ² , Saif Ahmed Quarishi ³ ¹ Assistant System Engineer, MediPro Bangladesh Limited, Baridhara, Dhaka-1206, ² Institute of Electronics, Atomic Energy Research Establishment, Ganakbari, Savar, Dhaka, ³ Student, Daffodil International College, Corresponding E-mail : shabuj66906@yahoo.com , nasrul_apece@yahoo.com
ICS-11	Title:	Real Time Data Acquisition Software for Reactivity measurement System of TRIGA Mark-II Research Reactor
	Authors:	N. Jahan ¹ , M.M. Rashid ¹ , S.M.A. Islam ² , M. G. S. Islam ¹ , M. Aliuzzaman ¹ and F. Ahmed ¹
ICS-12	Title:	Design And Development Of Amicrocontroller Based Low Cost Digital Panel Meter
	Authors:	Md. Shah Alam ¹ , Mohammad Abu Sayid Haque ² , Md. Anzan-Uz-Zaman ¹ , Md. Nasrul Haque Mia ³ , Md. Nazrul Islam ³ , H.K Ghosh ¹ 1. RMD 2.GED 3.NED,Institute of Electronics, Atomic Energy Research Establishment, Bangladesh Atomic Energy Commission,G.P.O. Box No. 3787, Savar, Dhaka. Email: alam_ny_ni@yahoo.com
ICS-13	Title:	Design and Development technique of a Microcontroller Based Conference Microphone System
	Authors:	N. Jahan, M.M. Rashid, M. G. S. Islam, M. Aliuzzaman and F. Ahmed Institute of Nuclear Science and Technology (INST), Atomic Energy Research Establishment

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ICS-14	Title:	Design, Simulation and Implementation of an Automatic Traffic Control System Using Microcontroller
	Authors:	Md. Munjure Mowla, Abdullah Al Suman, Liton Chandra Paul, RUET
ICS-15	Title:	Design, Analysis and Performance Study of a Hybrid PV-Diesel- Wind System for a Village Gopal Nagar in Comilla
	Authors:	M.M. Hoque ¹ , I.K.A. Bhuiyan ² , Rajib Ahmed ³ , A.A. Farooque ⁴ , S.K. Aditya ⁵
ICS-16	Title:	Development of a Solar Charge Controller
	Authors:	Sabiha Sattar, Sakif Ahsan, Arthita Sifat, Mohammad Ashraful Hossain, Bayezid Ahmed, Electrical and Electronics Engineering, Ahsanullah University of Science and Technology.
ICS-17	Title:	Design and development of hand and foot radiation monitor
	Authors:	Fahmida Akter, Farhana Hafiz, Md. Abu Sayid Haque, Md. Serajul Islam and Mahbulul Hoq Institute of Electronics, Atomic Energy Research Establishment, Savar, Dhaka, Bangladesh.
ICS-18	Title:	Sensitivity Analysis of a Positron Emission Tomography (PET) system
	Authors:	¹ M. M. Ahasan, ² K. K. Akter, ³ M. N. Khanam, ¹ R. Khatun, ¹ S. Akter & ² M. K. A. Khan ¹ PET-Cyclotron Research Group, Atomic Energy Centre, Ramna, Dhaka ² Department of Physics, Jagannath University, Dhaka ³ Upzilla Health Complex, Raygang, Sirajganj, Bangladesh
ICS-19	Title:	Future prospect of solar rooftop pv system in urban area of Bangladesh
	Authors:	Tawheed Hasan ^{1*} , Engr. Mohammad Ziaur Rahman ² , Md. Asif Iqbal ³ , Md. Mehedi Farhad ⁴ ^{1*} Vice Chairman and Former Treasurer, IEEE AUST Student Branch, Dhaka. ^{3,4} Member, IEEE AUST Student Branch, Dhaka. ² Senior Assistant Director, University Grants Commission of Bangladesh. [*] Corresponding Author: tawheed111@gmail.com
ICS-20	Title:	Implementation of Nuclear Counting System with VLSI and Comparative Study with Microcontroller-Based System
	Authors:	*Md. Shahzamal, Khandokar Asaduzzaman, Md. Nazrul Islam, Md. Nasrul Haque Mia Institute of Electronics, AERE, Bangladesh Atomic Energy Commission.
ICS-21	Title:	Strengthening the Analogue Control System of BAEC TRIGA Mark-II Research Reactor by Installing Digital Control Console
	Authors:	M. Monzurul Haque ¹ , M. A. Malek Soner ² , Mahabubur Rahman ² , Ashraful Haque ² , M. Mezbah Uddin ² , M. Motiur Rahman ² , Anisur Rahman ² , M. B. Shohag ² , M. Mamun ² , Abul Kalam ² , M. Aliuzzaman Sarder ² , M. A. Salam ² and M. A. Zulquarnain ³ ¹ Engineering Division, Bangladesh Atomic Energy Commission and Project Director for “Installation of Digital Control System for the TRIGA Mark –II Research Reactor”, mmhaque_2000@yahoo.com ² Reactor Operation and Maintenance Unit, Bangladesh Atomic Energy Commission, ³ Planning and Development Division, Bangladesh Atomic Energy Commission, zmaliee@gmail.com
ICS-22	Title:	A Survey of Classifiers for Automated Textile Defect Inspection System
	Authors:	Md. Tarek Habib ¹ , Rahat Hossain Faisal ² , M. Rokonzaman ³ , Farruk Ahmed ³ ¹ Department of Computer Science and Engineering, Prime University, Bangladesh ² Department of Electronics and Telecommunication Engineering, Prime University, Bangladesh ³ School of Engineering and Computer Science, Independent University, Bangladesh { mdtarekhabib@gmail.com , rhfaisal@ymail.com , zaman.rokon@yahoo.com , farruk@secs.iub.edu.bd }
ICS-23	Title:	Various Aspects of Cyclotron Physics and Instrumentation
	Authors:	Shirin Akter, M M Ahasan, M J Abedin and R Khatun Accelerator Facilities Division, Atomic Energy Centre, Dhaka-1000, Bangladesh Corresponding E-mail: shirin_apece@yahoo.com
ICS-24	Title:	Design and Analysis of a Band Pass Filter on a Silicon Substrate.
	Authors:	M. Nazrul Islam, Kh. Asaduzzaman, Mahmudul Hasan ¹ , Md. Shah Alam ² , Md. Shahzamal, Md. Nasrul Haque Mia and Mahbulul Hoq Nuclear Electronics Division, Institute of Electronics, Atomic Energy Research Establishment, Bangladesh Atomic Energy Commission, G.P.O Box 3787, Savar, Dhaka.

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Material Sciences and Nanotechnology: Technical Session- 6		
MS-01	Title:	Conception, Realization And Characterization Of A Single Mode Optical Fiber
	Authors:	Nasrin Sultana ¹ , Mehedi Hasan ² Department of Telecommunication and Electronic Engineering, Hazez Mohammad Danesh Science and Technology University, Dinajpur, Bangladesh
MS-02	Title:	Analytical Threshold Voltage Model for Pocket Implanted Fully Depleted Thin Film SOI n-MOSFET
	Authors:	Muhibul Haque Bhuyan and Quazi D. M. Khosru Department of Electrical and Electronic Engineering Green University of Bangladesh Mirpur 2, Dhaka 1216, Bangladesh. E-mail: muhibulhb@gmail.com
MS-03	Title:	Spin electronics and its basic requirements
	Authors:	M. Idrish Miah ^{1,2} ¹ Department of Physics, University of Chittagong, Chittagong, Chittagong – 4331, Bangladesh. ² Queensland Micro- and Nano-Technology Centre, Griffith University, Nathan, Brisbane, QLD 4111, Australia, Email: m.miah@griffith.edu.au
MS-04	Title:	Effects of Pocket Profile Parameters on Carrier Conduction Time Delay in Pocket Implanted Nano Scale n-MOSFET
	Authors:	Muhibul Haque Bhuyan ^{1,*} , Fouzia Ferdous ² and Quazi D. M. Khosru ¹ ¹ Department of Electrical and Electronic Engineering Green University of Bangladesh, Mirpur 2, Dhaka 1216, Bangladesh ² Department of Electrical and Electronic Engineering, International Islamic University Chittagong, Dhanmondi, Dhaka 1207, Bangladesh. *E-mail: muhibulhb@gmail.com
MS-05	Title:	Study of the free layer thickness dependency of magneto-transport of the tri-layered Nano-structured thin films.
	Authors:	Md. Abdur Rob Sheikh ¹ , Dr. Ariful Islam Nahid ² ¹ Bangladesh Atomic Energy Commission, Dhaka, Bangladesh ² Department of Applied Physics & Electronic Engineering, University of Rajshahi, Rajshahi, Bangladesh, Email: raape2002@yahoo.com
MS-06	Title:	Fabrication of Highly Ordered TiO ₂ Nanotubes and Electrical Characterization
	Authors:	Farzana Chowdhury Experimental Physics Division, Atomic Energy Centre, Bangladesh Atomic Energy Commission, 4, Kazi Nazrul Islam Avenue, Dhaka-1000, Bangladesh. E-mail: Farzana1311@yahoo.com
MS-07	Title:	Development of AgGaSe ₂ Thin Films for Solar Energy Absorber
	Authors:	M.R.A. Bhuiyan ¹ , M.K.H. Jewel ¹ R.H. Faisal ² and S.M. Firoz Hasan ³ ¹ Department of Applied Physics, Electronics and Communication Engineering, Islamic University, Kushtia-7003, Bangladesh ² Department of Electronics and Telecommunication Engineering, Prime University, Dhaka-1216, Bangladesh, ³ Experimental Physics Division, Atomic Energy Centre, GPO Box 164, Dhaka-1000, Bangladesh {mrab_iu@yahoo.com, khalidjewel@yahoo.com, rhfaisal@ymail.com, rhf02@yahoo.com }
MS-08	Title:	Analytical Surface Potential Model for Pocket Implanted Fully Depleted Thin Film SOI n-MOSFET
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