DVV Clarifications Metrics Level Deviations

3.4.4 Number of books and chapters in edited volumes / books published per teacher during the last five years

3.4.4.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

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58	68	49	56	55

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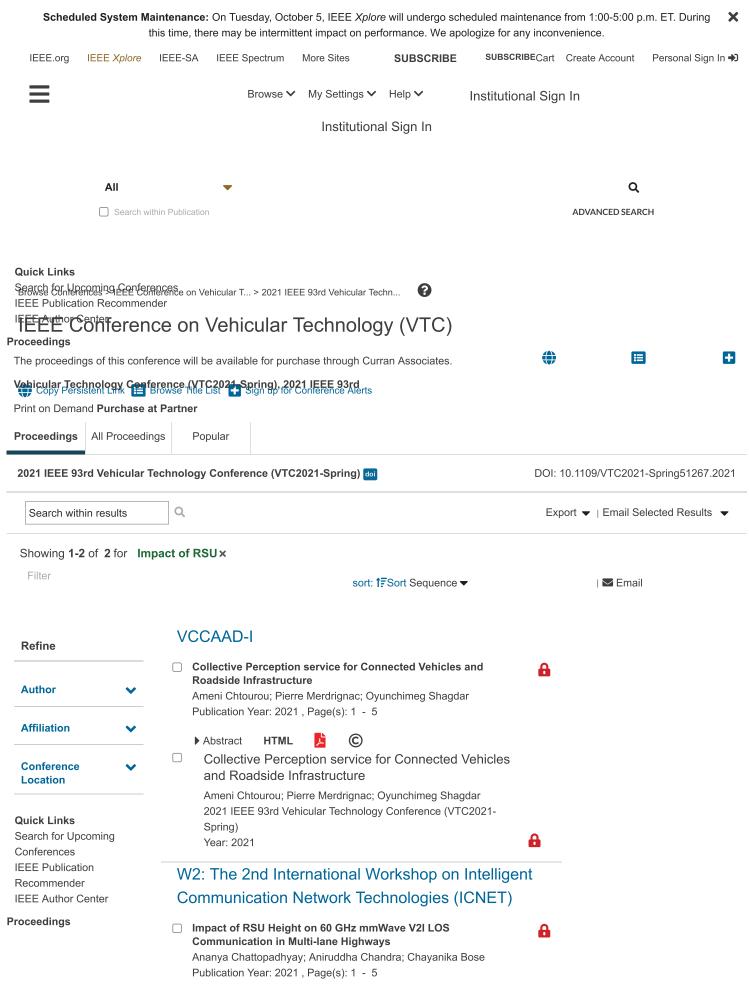
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Impact of RSU Height on 60 GHz mmWave V2I LOS Communication in Multi-lane Highways

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Abstract—The WiGig Alliance has recently introduced IEEE 802.11ay that standardizes the use of 60 GHz millimeter-wave (mmWave) frequency band for providing Gbps wireless connectivity on the move. However, for vehicle-to-infrastructure (V2I) systems using such standards, network reliability must be ensured when safety-critical signaling information is exchanged. The signals at mmWave frequencies are more prone to attenuation loss, penetration loss, weather effects and blockage. Therefore, placement of road side units (RSUs) is crucial for directional beam alignment, proper signal projection and vehicle tracking. This paper investigates the minimum RSU height required in multi-lane highways to guarantee all-time 60 GHz line of sight (LOS) connectivity for different lanes. The effect of distance of RSU base from highway is also studied. Further, numerical results analyze how both signal strength and overall system data rate wane with RSU height. These results are extended to other mmWave bands as well.

Index Terms - Millimeter wave, high speed user, road side unit, antenna height, data rate.

I. INTRODUCTION

While fifth generation (5G) mobile networks are being implemented worldwide, the 5G infrastructure association (5G IA) has announced [1] potential roadmap for beyond 5G (B5G) and sixth generation (6G) innovation towards 2030. B5G, followed by 6G, comes together with new key performance indices (KPIs) as their commissioning will be scenario specific [2]. Discernibly many of these use cases would involve vehicular communication [3] in one form or other.

Wireless systems need to operate in the GHz band for fulfilling the promise of achieving broadband connectivity to/from high-speed moving vehicles. In recent years, vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications, which are collectively named as vehicle-to-everything (V2X) communications, have been successfully used in automotive applications ranging from safety services to entertainment such as, safety signaling information, high definition video surveillance, passengers Internet access services, etc. [4]. On the other hand, the reason behind the ever growing popularity of millimeter-wave (mmWave) communication is the several advantages it offers such as, huge available spectrum, high-reliability, low-latency, high security, low interference, short wavelength, easy configuration of massive antenna arrays with directional beamforming. Nevertheless, high-frequency

wireless transmissions over millimeter-wave bands also suffers from several challenges. First, it is affected by huge path loss which reduces the coverage area. Second, it has high penetration loss and blockage because signals at higher frequencies cannot penetrate the solid materials like walls or trees [5]. As a result, the change in surrounding environment, vehicle density, mobility of reflectors and obstacles, position of road side unit (RSU) or position of communicating device are becoming the factors for signal existence.

Usually in the GHz band, directional antenna with phased array beamforming is a potential solution to combat high path loss, which can be as high as 15 dB/km in the 60 GHz band [6]. Moreover, for continuous tracking, high speed vehicles require dedicated dynamic infrastructures and constant monitoring and tracking using narrower beams to satisfy link budget. For a multi-lane highway, direct line-of-sight (LOS) beams assigned for vehicles of farther lanes form RSU may be blocked by pedestrian users, trees or vehicles passing through the nearer lanes resulting coverage and connectivity issues.

In this paper, we have designed a multi-lane highway model for continuous V2I connectivity of all vehicles. Our aim is to design directional beamforming for all the lanes of a highway by adjusting RSU height to combat LOS blockage during mobility. The main contributions are :

- We have studied the system performance on minimum required RSU height to guarantee all-time 60 GHz LOS connectivity for different lanes.
- We have worked on directional beamforming with variable beamwidth and number of beams for different lanes to overcome high path loss.
- We have also studied the effect of distance of RSU base from highway and analyzed how both signal strength and overall system data rate fluctuates with RSU height.
- We have extended the analysis for other mmWave bands ranging from 28 GHz to 78 GHz.
- We have analyzed power decay profile and beam dwell time for different lanes.
- Our scheme ensures secure high speed data delivery, uninterrupted service and scalability with increasing vehicular traffic.

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Discrimination of Rice Based on Alkali Spreading Value (ASV) by Machine Vision Technique

Amitava Akuli¹, Anil Kumar Bag^{2(⊠)}, Arindam Sarkar², Abhra Pal¹, Sabyasachi Majumdar¹, Tamal Dey¹, Gopinath Bej¹, Srimoyee Chaudhury², and Nabarun Bhattacharyya¹

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Department of Applied Electronics and Instrumentation Engineering, Haritage Institute of Technology, Kolkata, India anilkumarbag@gmail.com, arindam. sarkar@heritageit.edu, srimoyee.chaudhury@gmail.com

Abstract. Physical and biochemical attributes are commonly used for characterization of rice. The physical attributes are related to the quantification of size, shape, colour and texture of the rice grains. Biochemical attributes are assessed from cooking and eating characteristics of rice and are termed like alkali spreading value (ASV), amylose content (AC), gel consistency (GC), grain elongation etc. Estimation of biochemical attributes are often time consuming and require meticulous effort for sample preparation, storage and manual measurement. The gelatinization temperature (GT) is related to Alkali spreading value of rice and is partly associated with the amylose content of the starch. GT has a negative correlation with cooking temperature of rice. In this paper image analysis technique has been proposed for discrimination of rice. A portable flat bed scanner has been used as the imaging device and image analysis software has been developed to measure the rate of dispersion during ASV testing. This machine vision technique is a faster and effective way to determine the ASV. The results obtained are promising towards this new approach for objective estimation of ASV.

Keywords: Alkali spreading value \cdot Gelatinization temperature \cdot Spreading index \cdot Digital image analysis

1 Introduction

Rice is a staple food of nearly one-half of world's population and occupies a pivotal role in Indian food and livelihood system. A trained human expert subjectively evaluates the physical attributes like size, shape, colour and texture of rice based on visual inspection and smelling sensation. The cooking and eating characteristics are assessed by biochemical attributes such as ASV, AC, GC, grain elongation etc. The export quality measures are driven by physical and biological attributes and are thus need to

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Analysis of a Dynamic Queuing Model for Secondary Users in Cognitive Radio Networks

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Abstract—In recent years, the increased demand for wireless multimedia services has led to huge bandwidth crisis. The concept of Cognitive Radio Networks (CRN) has been proposed as a solution. In CRN, higher Primary User Activity leads to an increased number of Pre-empted Secondary Users (PSU). Since the PSUs are given priority over New Secondary Users (NSU), the NSUs might get starved. Due to this priority of PSUs less number low priority users can be served. The advent of the Internet of Things, the traffic pattern has become unpredictable. All this reasons required a Dynamic Cognitive Channel Allocation (DCCA) algorithm which has been proposed in this work which balances the service among the PSUs and NSUs as per priority of SU as well as avoiding starvation. Analysis of the proposed algorithm using Continuous Time Markov Chain Model shows an improvement over existing literature of 44.44% in NSU dropping probability and 22.8% improvement in NSU blocking probability with respect to arrival of PUs. Varying the arrival of SUs has resulted in an improvement of 58% and 45.75% in the dropping and blocking probabilities of NSUs respectively. The starvation of SUs has lowered by 32.52% with varying arrival rate of PU and 41.38% with varying arrival rate of SUs

Index Terms—Cognitive Radio Networks, CTMC, Dynamic Queuing,

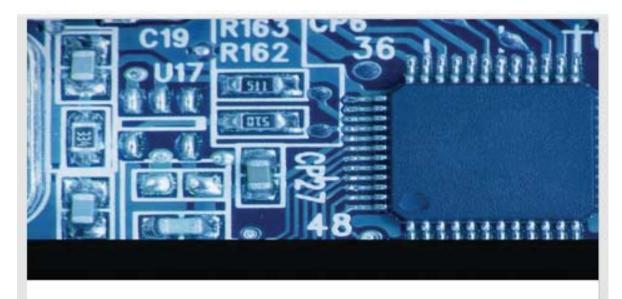
I. INTRODUCTION

With the evolution of wireless networks, the number of subscribers have increased exponentially leading to bandwidth crunch. However, the licensed Primary Users (PUs) utilize their channels sporadically and stochastically leading to largely underutilized spectrum. On the other hand, as per the Federal Communications Commission, the unlicensed bands are severely congested [1]. This imbalance has led to the evolution of the Cognitive Radio Networks (CRN) [2]. CRN allows usage of the licensed bands by the Secondary Users (SUs) in absence of the licensed PUs.

An attempt to model the activity of the PUs and SUs in the licensed channels has been made in the recent years [3], [4]. According to them, the service times are exponentially distributed and an ON/OFF Markov Chain can be used to model the system. A queue based cognitive channel allocation algorithm has been proposed in [5]. The algorithm stores the SUs in a queue in case of idle channel unavailability and the entire queue along with the SUs waiting in it gets dismissed

in case of PU emergence, resulting in service of fewer SUs. Moreover, the work is absolutely simulation based without any mathematical validation. A channel scheduling algorithm, has also been proposed in [6]. A classification mechanism has been proposed in the work to classify the SUs based on two priority levels and the base station maintains two fixed sized, static queues to hold them accordingly. The algorithm then places the SUs in the appropriate queue when a blocking or dropping occurs. A cognitive channel allocation algorithm based on dynamic queues for SUs have been proposed in [7] which overcomes the limitations of the static queues. According to [7], the static sized queues might degrade the system performance instead of improving it, if the time-out interval of the users waiting in the queue is less than their waiting time. The algorithm is based on the PU activity model proposed in [8], [9] and provides higher priority to the preempted SUs. Only after the Pre-empted Queue (PQ) is empty, SUs waiting in the New Queue (NQ) will be served. While this algorithm might maintain consistent service to SUs, it may introduce a starvation among the SUs waiting in the NQ.

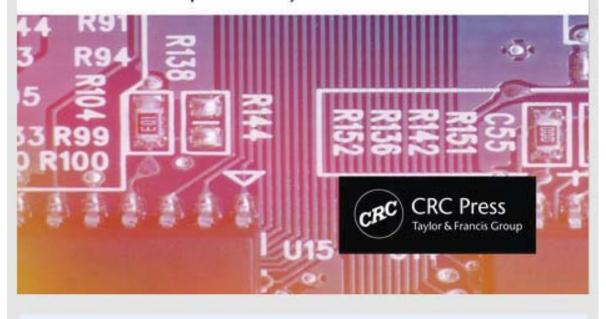
Accordingly, in this work the aforementioned issue of starvation of a group of SUs have been addressed and a Dynamic queue based Cognitive Channel Allocation (DCCA) algorithm for the SUs have been proposed. The algorithm assumes that, if SUs are present in both the queues, the probability of assigning an idle channel to a New Secondary User (NSU) waiting in the NQ is given by α while, the probability of assigning an idle channel to a Pre-empted Secondary User (PSU) waiting in the PQ is given by $(1-\alpha)$. Here, the parameter α acts as a bias and reduces the waiting time of the NSUs in NQ thereby lowering it's dropping probability. Compared to [7], the proposed DCCA ensures service to a greater number of SUs thereby lowering their starvation. Compared to the algorithm proposed at [7], Continuous Time Markov Chain (CTMC) Analysis of the proposed algorithm provides 44.44% improvement in NSU dropping probability and 22.8% improvement in NSU blocking probability with respect to arrival of PUs. Varying the arrival of SUs has resulted in an improvement of 58% and 45.75% in the dropping and blocking probabilities of NSUs respectively. The starvation of SUs has lowered by 32.52%



INTELLIGENT ELECTRICAL SYSTEMS

A STEP TOWARDS SMARTER EARTH

Edited by Satyajit Chakrabarti, Ayan Kumar Panja, Amartya Mukherjee, and Arun Kr. Bar



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Control and Monitor of Nonlinear Gas Flow by Developing a Self-Adaptive Fuzzy Controller

A. K. Pal, Sampa Paul, Indrajit Naskar, and A. Mondal

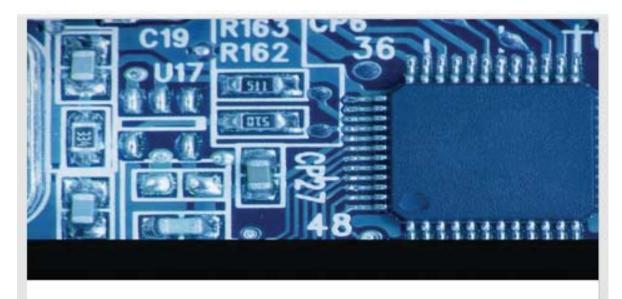
Department of AEIE, Heritage Institute of Technology, Kolkata, India.

ABSTRACT: This study gives a detailed account about the adaptation of an intelligent gas flow controller for non-linear application. Before elaborating the design of the process-specific adaptive scheme for fuzzy gas flow controller, it describes how to develop the mathematical model of gaseous system and study of non-linearity. In the latter part, the proposed controller is developed and its performance is compared to PID and conventional fuzzy controllers. In the present work, the performance of the proposed controller is tested with the help of MATLAB simulations. Instead of using a fixed gain multiplier, finding an appropriate multiplying factor for the fine tuning of Fuzzy Logic Controller becomes a great challenge, which is directly related to the process dynamics. In view of this, a non-fuzzy adaptive scheme is implemented for the proposed fuzzy gas flow controller. Effectiveness of the proposed self-adaptive fuzzy controller is reviewed in non-linear gas flow control.

Keywords: Mathematical modelling, Gas flow, Fuzzy controller, Tuning, Adaptive control.

17.1 INTRODUCTION

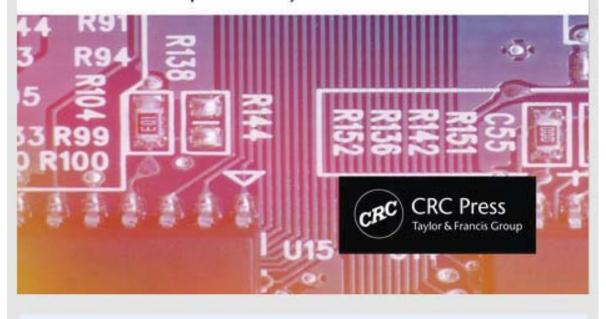
The main objective of this study is to design a suitable controller to control and monitor the gas flow. The fluid flow equations are derived from the physical principles of conservation of mass, momentum, and energy (Feistauer, 1993). To design a perfect controller, knowledge of mathematical model of the system is very important. Natural gas is an inviscid fluid as the viscosity of the gas is equal to zero, and it is compressible also (Chorin and Marsden, 1993). If the gas flows in along a horizontal pipe and then it can be considered as one-dimensional flow. Also in gas flow modelling, it is assumed no heat source occurs inside



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Auto-adaptive Fuzzy Controllers with Automatic Setpoint Adjustment

A. K. Pal, Indrajit Naskar, Sampa Paul, and J. Chakraborty

Department of AEIE, Heritage Institute of Technology, Kolkata, India.

ABSTRACT: In this chapter, an auto-adaptive scheme is presented for fuzzy PD controllers. The proposed scheme is a novel approach based on an online modifying parameter, which is updated by normalised change of error (Δe) of the process. Further, a fuzzy-based dynamic Setpoint weighting (FSW) technique is incorporated. Implementation of the proposed adaptive technique along with setpoint weighting scheme on fuzzy PD controllers

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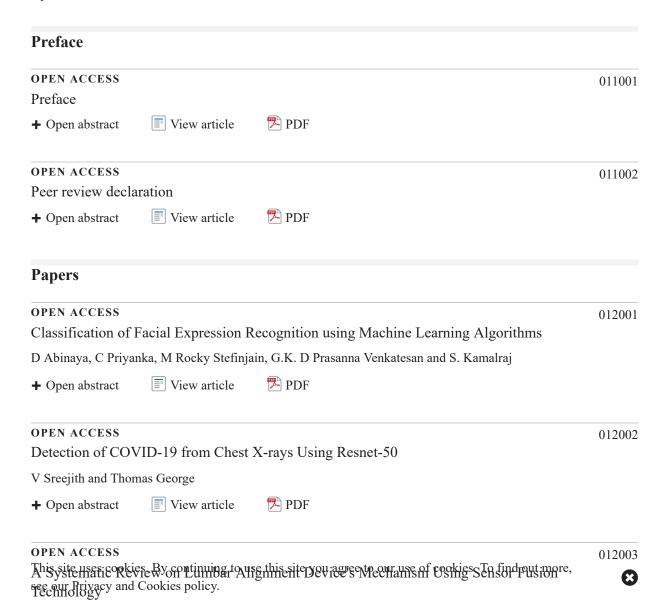
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Automatic Indoor Air Quality Control of COVID -19 Patient Facilities Using Type-2 Fuzzy Controller

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Abstract. Big facilities can be used to set up cohort wards for severe and critical COVID-19 patients. The purpose of carbon dioxide and humidity control is to provide healthy air for breathing by both diluting the pollutants originating in the building and removing the pollutants from it. In this paper, for proper mechanical ventilation to maintain indoor air quality (IAQ), a Self-tuned Interval Type-2 Fuzzy PI controller (SIT2FPIC) is proposed. 49 fuzzy if-then rules are used to tune the Interval Type-2 Fuzzy PI controller (IT2FPIC) for proper functioning and to reduce the parameter variations. Correlations of CO2 concentration and air humidity are studied to maintain the air quality in COVID-19 facilities. Mathematical models of CO2 concentration and air humidity in hospitals or temporary COVID-19 facilities are developed considering the presence of COVID-19 patients, doctors, nurses, etc in the room. The control and monitoring of room air quality are very much essential for any infectious diseases like coronavirus. To maintain the air quality in terms of humidity and carbon dioxide, the proposed SIT2FPIC is applied to the mathematical model of humidity and carbon dioxide for the simulation study. The effectiveness of the proposed controller in mechanical ventilation in the treatment facilities is shown by a comparative study of different transient parameters. Effects of load variations in the model are also studied to check the usefulness of the proposed scheme.

Now, the world is under the COVID-19 trap and also a new wave (second phase) is spreading rapidly. Lots of question arises from different corner of the world about routes of transmission for this pandemic disease [1]. After segregation of the different types of COVID-19 patient like mild, moderate, and severe, in addition to proper treatment through medicine, desired oxygen supply, and others also, there is a need to control the air quality in terms of humidity and carbon dioxide (COs) with sufficient and effective ventilation inside the room like hospitals, offices, schools, conference rooms [2]. In addition to this control, the effective application of other controls (including isolation and quarantine, social distancing, and hand hygiene) would be an additional important measure globally to reduce the likelihood transmission and thereby protect healthcare workers, patients, and the general public [3]. To maintain the air quality, the controlling of concentration of O₂, CO₂ and humidity percentage present inside the patient room are one of the important issues [4]. Out of the above parameters, the controlling of humidity and CO2 inside the room is of prime importance because the increasing of these two parameters enhances the

possibility of respiratory distress which is a common symptom of COVID-19 patients.

In this paper, the mathematical model of humidity and carbon dioxide inside a patient's room is developed by considering the number of persons present in the room. Considering the dynamic nature

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Discrimination of Rice Based on Alkali Spreading Value (ASV) by Machine Vision Technique

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Abstract. Physical and biochemical attributes are commonly used for characterization of rice. The physical attributes are related to the quantification of size, shape, colour and texture of the rice grains. Biochemical attributes are assessed from cooking and eating characteristics of rice and are termed like alkali spreading value (ASV), amylose content (AC), gel consistency (GC), grain elongation etc. Estimation of biochemical attributes are often time consuming and require meticulous effort for sample preparation, storage and manual measurement. The gelatinization temperature (GT) is related to Alkali spreading value of rice and is partly associated with the amylose content of the starch. GT has a negative correlation with cooking temperature of rice. In this paper image analysis technique has been proposed for discrimination of rice. A portable flat bed scanner has been used as the imaging device and image analysis software has been developed to measure the rate of dispersion during ASV testing. This machine vision technique is a faster and effective way to determine the ASV. The results obtained are promising towards this new approach for objective estimation of ASV.

Keywords: Alkali spreading value \cdot Gelatinization temperature \cdot Spreading index \cdot Digital image analysis

1 Introduction

Rice is a staple food of nearly one-half of world's population and occupies a pivotal role in Indian food and livelihood system. A trained human expert subjectively evaluates the physical attributes like size, shape, colour and texture of rice based on visual inspection and smelling sensation. The cooking and eating characteristics are assessed by biochemical attributes such as ASV, AC, GC, grain elongation etc. The export quality measures are driven by physical and biological attributes and are thus need to

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A Comparative Analysis of Analog Performances of Underlapped Dual Gate AlGaN/GaN Based MOS-HEMT and Schottky-HEMT

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Abstract—This paper presents a comparative and analytical study on the basis of analog performances of an Underlapped Dual Gate (U-DG) AlGaN/GaN MOS-HEMT with gate oxide and an U-DG AlGaN/GaN Schottky-HEMT. The study has been conducted based on the effect on the conduction band energy profile and also on the basic Analog Figure of Merits (FoMs) like Drain current (I_d) , Transconductance (g_m) , Output Resistance (r_o) , Intrinsic Gain $(g_m r_o)$. It has been observed that though Schottky-HEMTs have higher transconductance and faster switching transients, MOS-HEMTs are advantageous over the former as the latter experiences higher drive current capacity, lower threshold voltage, better I_{on}/I_{off} ratio and greater peak intrinsic gain.

Index Terms—Analog, AlGaN/GaN, Dual Gate (DG), Heterojunction, MOS-HEMT, Schottky-HEMT, Underlap.

I. INTRODUCTION

Traditional MOSFETs have been found to deliver slower performances owing to the impurity scattering in short channel devices, which eventually also give rise to undesirable heating and loss [1]. These challenges are addressed using modern high electron mobility transistors (HEMT) where a straddling based heterojunction is grown at the graded AlGaN/GaN interface [2-4]. GaN is a propitious material providing high breakdown voltage, good thermal stability, high average electron drift velocity along with a wide and tunable band gap and thus are preferred over conventional MOSFETs for high power and high speed electronic devices [5].

Although in HEMT devices, ionized impurity scattering is prevented and carrier mobility is also increased by the use of undoped AlGaN/GaN substrate, the gate leakage and buffer leakage currents are primary factors delimiting its performance and reliability. So, a Schottky contact is made between the gate metal and the channel, and the potential of the channel is varied by applying a voltage at the gate. Schottky-HEMTs undergo only

a two step photolithography processing procedure as oxide layer implantation is not required and are more economical. However, the greatest drawback is that turn-on voltage for Schottky is very low [6] and since, the threshold has to be lower than the turn-on voltage, they are not preferred for high voltage applications. However, the use of a gate oxide as an insulator between gate and channel helps to improve gate control in MOS-HEMT. Nevertheless, the distance between the gate and the channel being large MOSHEMTs undergo a partial degradation in its transconductance [7]. MOS-HEMT devices yet showcase a mitigation of gate leakage current of six to ten orders of magnitude with respect to a Schottky barrier HEMT device of similar architecture [8].

Schottky-HEMTs exhibit higher carrier mobility as compared to MOS-HEMTs [9]. This is explained from the fact that in short channel MOS-HEMTs, vertical electric fields due to gate voltage is much more pronounced. Thus the resultant of horizontal and vertical electric fields drives the carriers more towards the oxide at the channel oxide interface. On the contrary, weaker perpendicular electric fields are involved in Schottky-HEMTs which cause reduced carrier confinement near the MOS gate. This, in turn, results in less surface scattering and higher average electron velocity than MOS-HEMTs. Though Schottky-HEMTs showcases higher carrier mobility and faster switching, MOS-HEMTs are preferred more over the former as the latter has higher input impedance, higher gate capacitance, higher drive current capacity, lower leakage current and are much more preferred in high frequency RF applications [9].

In this study, an U-DG AlGaN/GaN heterostructured MOS-HEMT and a Schottky-HEMT has been analyzed and compared on the basis of their electrical characteristics and analog performance. The use of dual gates helps improve the channel control and reduce the short channel effects (SCEs). They also add to

3.4.4.1: Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year wise during last five years

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5 7 7	978-981-16-5932-4 978-3-11-065524-7 9780-429-35599-8 ISSN: 1742-6588 E-ISSN: 1742-6596 978-93-89631-69-2 NA 978-981-16-5207-3 978-981-16-5207-3	Technology to Remove Oil from Oily Wastewater Using Isolated Actinobacteria in Advances in Environmental Research Volume 79 Dye Biodegradation, Mechanisms and Techniques Computational Intelligence Theoretical Advances and Advanced Applications Intelligent Electrical Systems:: A Step towards Smarter Earth Journal of Physics: Conference Series, Volume 1937 NA NA Proceedings of International Conference on Advanced Computing Applications Proceedings of International Conference on Advanced Computing Applications Proceedings of International Conference on Advanced Computing Applications NA	Bioremediation of Dye Using Mesophilic Bacteria: Mechanism and Parametric Influence Optimization of oily wastewater treatment process using a neuro-fuzzy adaptive model Control and Monitor of Linear and Nonlinear Gas Flow by Developing a Self-Adaptive Fuzzy Controller Automatic indoor air quality control of COVID-19 patient facilities using type-2 fuzzy controller Study of Respiratory Disorders by Clustering Gain Rules of a Self-Tuning Fuzzy Controller System Modeling and Prediction of Respiratory Disorders in Modeling and Prediction of Respiratory Diseases using Machine Learning Robust Optimized Structural Feature-Based Transformation Parameter Estimation for Image Registration A MAP-Based Hybrid Cryptography Algorithm for Low-Cost Secret Communication A Novel Equilibrium Optimization Technique for Band Selection of Hyperspectral Images	NA NA International Conference on Industrial Electronics Mechatronics Electrical & Mechanical Power (IEMPOWER 2019) International Conference on Novel approaches and Developments in Biomedical Engineering (ICNADBE21) International Conference on Electrical, Electronics and Communication Technology (ICEECT0202) Advances in Medical Physics and Healthcare Engineering (AMPHE 2020) International Conference on Advanced Computing Applications international Conference on Advanced Computing Applications Computational Intelligence in Communications and Business Analytics (CICBA) International Conference on Computational Intelligence in	Dwaipayan Sen Dwaipayan Sen Indrajit Naskar Indrajit Naskar Indrajit Naskar Indrajit Naskar Joydev Hazra Joydev Hazra	Chemical Engineering Chemical Engineering Applied Electronics and Instrumentation Engineering Information Technology Information Technology Information Technology	Publishers, Inc. Springer Nature Singapore Pte Ltd. De Gruyter CRC Press, Taylor & Francis Group IOP Publishing Ltd IOR PRESS NA Springer, Singapore Communications in Computer and Information Service, Vol-1406. Springer, Cham	2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021
3	978-981-16-5932-4 978-3-11-065524-7 978-3-11-065524-7 978-3-25599-8 ISSN: 1742-6588 E-ISSN: 1742-6596 978-93-89631-69-2 NA 978-981-16-5207-3 978-981-16-5207-3	Technology to Remove Oil from Oily Wastewater Using Isolated Actinobacteria in Advances in Environmental Research Volume 79 Dye Biodegradation, Mechanisms and Techniques Computational Intelligence Theoretical Advances and Advanced Applications Intelligent Electrical Systems:: A Step towards Smarter Earth Journal of Physics: Conference Series, Volume 1937 NA NA Proceedings of International Conference on Advanced Computing Applications Proceedings of International Conference on Advanced Computing Applications Proceedings of International Conference on Advanced Computing Applications NA Computational Intelligence in Communications and Business Analytics	Bioremediation of Dye Using Mesophilic Bacteria: Mechanism and Parametric Influence Optimization of oily wastewater treatment process using a neuro-fuzzy adaptive model Control and Monitor of Linear and Nonlinear Gas Flow by Developing a Self-Adaptive Fuzzy Controller Automatic indoor air quality control of COVID-19 patient facilities using type-2 fuzzy controller Study of Respiratory Disorders by Clustering Gain Rules of a Self-Tuning Fuzzy Controller System Modeling and Prediction of Respiratory Diseases using Machine Learning Robust Optimized Structural Feature-Based Transformation Parameter Estimation for Image Registration A MAP-Based Hybrid Cryptography Algorithm for Low-Cost Secret Communication A Novel Equilibrium Optimization Technique for Band Selection of Hyperspectral Images Gene Expression-Based Prediction of Lung Cancer-Associated Protein-Protein Interactions	NA NA International Conference on Industrial Electronics Mechatronics Electrical & Mechanical Power (IEMPOWER 2019) International Conference on Novel approaches and Developments in Biomedical Engineering (ICNADBE21) International Conference on Electrical, Electronics and Communication Technology (ICEECT2020) Advances in Medical Physics and Healthcare Engineering (AMPHE 2020) International Conference on Advanced Computing Applications International Conference on Advanced Computing Applications Computational Intelligence in Communications and Business Analytics (CICBA) International Conference on Computational Intelligence in Communications and Business Analytics (CICBA)	Dwaipayan Sen Dwaipayan Sen Indrajit Naskar Indrajit Naskar Indrajit Naskar Indrajit Naskar Joydev Hazra Joydev Hazra Joydev Hazra Lopamudra Dey	Chemical Engineering Chemical Engineering Applied Electronics and Instrumentation Engineering Information Technology Information Technology Information Technology Computer Science and Engineering	Publishers, Inc. Springer Nature Singapore Pte Ltd. De Gruyter CRC Press, Taylor & Francis Group IOP Publishing Ltd IOR PRESS NA Springer, Singapore Communications in Computer and Information Service, Vol-1406. Springer, Cham Springer, Cham	2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021
77 33	978-981-16-5932-4 978-3-11-065524-7 9780-429-35599-8 ISSN: 1742-6588 E-ISSN: 1742-6596 978-93-89631-69-2 NA 978-981-16-5207-3 978-981-16-5207-3	Technology to Remove Oil from Oily Wastewater Using Isolated Actinobacteria in Advances in Environmental Research Volume 79 Dye Biodegradation, Mechanisms and Techniques Computational Intelligence Theoretical Advances and Advanced Applications Intelligent Electrical Systems:: A Step towards Smarter Earth Journal of Physics: Conference Series, Volume 1937 NA NA Proceedings of International Conference on Advanced Computing Applications Proceedings of International Conference on Advanced Computing Applications NA Computational Intelligence in Communications and Business Analytics Smart Healthcare System Design:	Bioremediation of Dye Using Mesophilic Bacteria: Mechanism and Parametric Influence Optimization of oily wastewater treatment process using a neuro-fuzzy adaptive model Control and Monitor of Linear and Nonlinear Gas Flow by Developing a Self-Adaptive Fuzzy Controller Automatic indoor air quality control of COVID-19 patient facilities using type-2 fuzzy controller Study of Respiratory Disorders by Clustering Gain Rules of a Self-Tuning Fuzzy Controller System Modeling and Prediction of Respiratory Diseases using Machine Learning Robust Optimized Structural Feature- Based Transformation Parameter Estimation for Image Registration A MAP-Based Hybrid Cryptography Algorithm for Image Registration A Novel Equilibrium Optimization Technique for Band Selection of Hyperspectral Images Gene Expression-Based Prediction of Lung Cancer-Associated Protein- Protein Interactions The Implementation of Al and Al-	NA NA International Conference on Industrial Electronics Mechatronics Electrical & Mechanical Power (IEMPOWER 2019) International Conference on Novel approaches and Developments in Biomedical Engineering (ICNADBE21) International Conference on Electrical, Electronics and Communication Technology (ICEECT2020) Advances in Medical Physics and Healthcare Engineering (AMPHE 2020) International Conference on Advanced Computing Applications International Conference on Advanced Computing Applications (Computational Intelligence in Communications and Business Analytics (CICBA) International Conference on Computational Intelligence in Communications and Business Analytics (SICBA) Smart Healthcare System Design:	Dwaipayan Sen Dwaipayan Sen Indrajit Naskar Indrajit Naskar Indrajit Naskar Indrajit Naskar Joydev Hazra Joydev Hazra	Chemical Engineering Chemical Engineering Applied Electronics and Instrumentation Engineering Information Technology Information Technology Information Technology	Publishers, Inc. Springer Nature Singapore Pte Ltd. De Gruyter CRC Press, Taylor & Francis Group IOP Publishing Ltd IOR PRESS NA Springer, Singapore Communications in Computer and Information Service, Vol-1406. Springer, Cham	2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021
3	978-981-16-5932-4 978-3-11-065524-7 978-3-11-065524-7 978-3-25599-8 ISSN: 1742-6588 E-ISSN: 1742-6596 978-93-89631-69-2 NA 978-981-16-5207-3 978-981-16-5207-3	Technology to Remove Oil from Oily Wastewater Using Isolated Actinobacteria in Advances in Environmental Research Volume 79 Dye Biodegradation, Mechanisms and Techniques Computational Intelligence Theoretical Advances and Advanced Applications Intelligent Electrical Systems:: A Step towards Smarter Earth Journal of Physics: Conference Series, Volume 1937 NA NA Proceedings of International Conference on Advanced Computing Applications Proceedings of International Conference on Advanced Computing Applications Proceedings of International Conference on Advanced Computing Applications NA Computational Intelligence in Communications and Business Analytics	Bioremediation of Dye Using Mesophilic Bacteria: Mechanism and Parametric Influence Optimization of oily wastewater treatment process using a neuro-fuzzy adaptive model Control and Monitor of Linear and Nonlinear Gas Flow by Developing a Self-Adaptive Fuzzy Controller Automatic indoor air quality control of COVID-19 patient facilities using type-2 fuzzy controller Study of Respiratory Disorders by Clustering Gain Rules of a Self-Tuning Fuzzy Controller System Modeling and Prediction of Respiratory Diseases using Machine Learning Robust Optimized Structural Feature-Based Transformation Parameter Estimation for Image Registration A MAP-Based Hybrid Cryptography Algorithm for Low-Cost Secret Communication A Novel Equilibrium Optimization Technique for Band Selection of Hyperspectral Images Gene Expression-Based Prediction of Lung Cancer-Associated Protein-Protein Interactions	NA NA International Conference on Industrial Electronics Mechatronics Electrical & Mechanical Power (IEMPOWER 2019) International Conference on Novel approaches and Developments in Biomedical Engineering (ICNADBE21) International Conference on Electrical, Electronics and Communication Technology (ICEECT2020) Advances in Medical Physics and Healthcare Engineering (AMPHE 2020) International Conference on Advanced Computing Applications International Conference on Advanced Computing Applications Computational Intelligence in Communications and Business Analytics (CICBA) International Conference on Computational Intelligence in Communications and Business Analytics (CICBA)	Dwaipayan Sen Dwaipayan Sen Indrajit Naskar Indrajit Naskar Indrajit Naskar Indrajit Naskar Joydev Hazra Joydev Hazra Joydev Hazra Lopamudra Dey	Chemical Engineering Chemical Engineering Applied Electronics and Instrumentation Engineering Information Technology Information Technology Information Technology Computer Science and Engineering	Publishers, Inc. Springer Nature Singapore Pte Ltd. De Gruyter CRC Press, Taylor & Francis Group IOP Publishing Ltd IOR PRESS NA Springer, Singapore Communications in Computer and Information Service, Vol-1406. Springer, Cham Springer, Cham	2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021 2020-2021

27	978-981-15-6887-9	Sustainability in Environmental Engineering and Science	Green Energy Based Low Cost Smart Indoor Air Quality Monitoring and Purifying System	International conference Sustainable Environmental Engineering and Science (SEES) 2019	Madhurima Chattopadhyay	Applied Electronics and Instrumentation Engineering	Springer International Publishing Singapore	2020-2021
28	ISSN: 1742-6588 E-ISSN: 1742-6596	Journal of Physics: Conference Series, Volume 1706	Study on DC-DC Converter phase sensorless motor drive	First International Conference on Advances in Physical Sciences and Materials	Madhurima Chattopadhyay	Applied Electronics and Instrumentation Engineering	IOP Publishing Ltd	2020-2021
29	Print ISBN: 978-981- 33-6914-6; Online ISBN: 978-981-33- 6915-3	Advances in Medical Physics and Healthcare Engineering. Lecture Notes in Bioengineering	Study of Non-biological Property for Identification Cancerous Skin Tissue	Int. Conf. Advances in Medical Physics and Healthcare Engineering	Madhurima Chattopadhyay	Applied Electronics and Instrumentation Engineering	Springer	2020-2021
30	Print ISBN: 978-981- 33-6914-6; Online ISBN: 978-981-33-	Advances in Medical Physics and Healthcare Engineering. Lecture Notes in Bioengineering	Advancement and Challenges for Non- invasive Monitoring of Blood Glucose: A Review	Int. Conf. of Advances in Medical Physics and Healthcare Engineering	Madhurima Chattopadhyay	Applied Electronics and Instrumentation Engineering	Springer, Singapore	2020-2021
31	6915-3 ISBN: 978-1-7281- 6565-3	NA	Impact of AlGaN Doping Concentration on the Analog/RF Performance of a Double Gate Underlap n-AlGaN/GaN MOSHEMT	2020 International Symposium on Devices, Circuits and Systems (ISDCS)	Mousiki Kar	Electronics and Communication Engineering	IEEE Explore	2020-2021
32	ISBN: 9781728153629	NA	Impact of Source and Drain Underlap on Analog Performance of Double- Gate AlGaN/GaN MOSHEMT	2020 IEEE Calcutta Conference (CALCON)	Mousiki Kar	Electronics and Communication Engineering	IEEE Explore	2020-2021
33	ISSN: 2214-7853	Materials today: Proceedings	Biocompatibility and cytotoxicity evaluation of isophorone diisocyanate based polyetherurethane for biomedical applications	International Conference on Advanced Materials Behavior and Characterization (ICAMBC 2020)	Nandan Kumar Jana	Biotechnology	Elsevier Ltd.	2020-2021
34	978-981-15-7408-5	Application of Bacillus sp. NITD 19 for Utilization of Cyanide as Nutrient Source	Application of Bacillus sp. NITD 19 for Utilization of Cyanide as Nutrient Source	Advances in Bioprocess Engineering and Technology. Lecture Notes in Bioengineering	Pinaki Bhattacharya	Chemical Engineering	Springer, Singapore	2020-2021
35	978-981-15-7408-5	Advances in Bioprocess and Technology, Lecture Notes in Bioengineering	Effect of Metabolic Risks Factors, Gene Polymorphisms and Family History Among T2DM Population in Asian Indians		Plaban Chaudhuri	Biotechnology	Springer Nature	2020-2021
36	978-3-030-80701-6	Smart Technologies for Energy and Environmental Sustainability	A Comprehensive Study on the Arsenic Contamination in the Groundwater of Assam and West Bengal with a focus on Normalisation of Arsenic-Filled Sludge from Arsenic Filters.	Smart Technologies for Energy and Environmental Sustainability	Rajashree Lodh	Civil Engineering	Springer	2020-2021
37	NA	Ist Online International Conference on Recent Advances in Computational and Experimental Mechanics- IIT kharagpur	Static and Dynamic Analysis of Functionally Graded Carbon Nanotube- Reinforced Composites: A Review	1st Online International Conference on Recent Advances in Computational and Experimental Mechanics	Ranojit Banerjee	Mechanical Engineering	1st Online International Conference on Recent Advances in Computational and Experimental Mechanics- IIT kharagpur	2020-2021
38	NA	65th ISTAM Congress - 2020	Effect of structural parametric variation on the free vibration of functionally graded carbon nanotube reinforced conical shells - a finite element approach	65th ISTAM Congress - 2020	Ranojit Banerjee	Mechanical Engineering	ISTAM- IIT KHARAGPUR	2020-2021
39	978-981-15-7409-2	Advances in Bioprocess Engineering and Technology	Effect of Metabolic Risk Factors, Gene Polymorphisms, and Family History Among T2DM Population in Asian Indians	NA	Riddhi Goswami	Biotechnology	Springer, Singapore	2020-2021
40	978-981-16-4287-6	Advanced Computing and Systems for Security: Volume 13	A TSV constrained Algorithm for Designing Balanced Wrapper Chains in 3D SoC	ACSS, 2021	Sabyasachi Banerjee	Computer Science and Engineering	Springer	2020-2021
41	2194-5357	Advances in Speech and Music Technology: Proceedings of FRSM 2020	Multimodal Sentiment Analysis of Rabindra-Sangeet through Machine Learning Techniques	Advances in Speech and Music Technology	Sandipan Ganguly	Computer Applications	Springer Nature Singapore Pte Ltd.	2020-2021
42	978-1-6654-3523-9	NA .	Investigation of Deep Learning Model Based Intrusion Detection in Traditional and Ad Hoc Networks	Proceedings of the Fifth International Conference on Electronics, Communication and Aerospace Technology (ICECA 2021)	Santanu Ghorai	Applied Electronics and Instrumentation Engineering	IEEE	2020-2021
43	978-981-33-4550-8	Chapter 10 in Recent Advances in Layered Materials and Structures (Ed. S. Sahoo)	Dynamics of Axially Functionally Graded Timoshenko Beams on Linear Elastic Foundation,	NA NA	Sarmila Sahoo	Civil Engineering	Springer Singapore	2020-2021
44	978-981-33-4549-2	Recent Advances in Layered Materials and Structures	NA	NA	Sarmila Sahoo	Civil Engineering	Springer Singapore	2020-2021
45	978-981-15-4577-1	Recent Developments in Sustainable Infrastructure, Select Proceedings of ICRDSI	Seismic Analysis of RC Framed Tall Structures with Plan Irregularity	2nd edition of International Conference on Recent Developments in Sustainable	Saurav Kar	Civil Engineering	Springer	2020-2021
46	ISBN: 978-981-15- 8366-7 ISSN: 2367-3370	Computers and Devices for Communication	OFDM-SIM with Adaptive Modulation Through Fuzzy Interface	Infrastructure (ICRDSI) Proceedings of CODEC 2019 [CODEC: International Conference on Computers and Devices for Communication]	Shounak Dasgupta	Electronics and Communication Engineering	Springer	2020-2021
47	ISBN: 978-981-15- 8365-0 ISSN: 2367-3370	Computers and Devices for Communication	Reduced Subcarrier Index Modulation Scheme in OFDM System for Next-Gen Wireless Networks	Proceedings of CODEC 2019 [CODEC: International Conference on Computers and Devices for Communication]	Shounak Dasgupta	Electronics and Communication Engineering	Springer	2020-2021
48	ISBN: 9780367677305	Blockchain Leveraged Node Incentivization in Cooperation-Based Delay Tolerant Networks	Networks Blockchain Leveraged Node Incentivization in Cooperation-Based Delay Tolerant Networks	In edited volume Opportunistic Networks - Fundamentals, Applications and Emerging Trends, edition 1, chapter 10, pp 188-206	Siuli Roy	Information Technology	CRC Press, Taylor and Francis Group	2020-2021
49	ISBN: 978-981-16- 1239-8	Post-disaster Navigation and Allied Services over Opportunistic Networks	NA	NA	Siuli Roy	Information Technology	Springer Singapore (Smart Innovation, Systems and Technologies series, Volume 228)	2020-2021
50	2195-271X	Advances in Bioprocess Engineering and Technology.	Effect of medicinal plants on biofilm- forming Staphylococcus aureus from tertiary health carehospital and characterization of biofilm associated extracellular polymeric substances (EPS).	International Conference on Advances in Bioprocess Engineering and Technology ICABET 2020	Soma Banerjee	Biotechnology	Springer, Singapore.	2020-2021
51	2195-271X	Advances in Bioprocess Engineering and Technology.	Anti-adhering property study of green nanotechnology based modified chitin flakes- a novel approach towards biofilm eradication	International Conference onAdvances in Bioprocess Engineering and Technology	Soma Banerjee	Biotechnology	Springer Nature Singapore Pte Ltd.	2020-2021
52	2190-3018	Using Blockchain in Intermittently Connected Network Environments" in edited volume "Blockchain Technology and Innovation in Business Process	NA	NA	Souvik Basu	Computer Applications	Springer	2020-2021

53	9780367677305	Blockchain Leveraged Node Incentivization in Cooperation-Based Delay Tolerant Networks" in edited volume "Opportunistic Networks: Fundamentals, Applications and	NA	NA	Souvik Basu	Computer Applications	CRC Press, Taylor & Francis Group	2020-2021
		Emerging Trends"						
54	978-981-15-5397-4 (online), 978-981-15- 5396-7 (print)	Communication Software and Networks	LOCATION BASED SCAIRDIE Recommendations Using Social Relationships, Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 134)	NA	Subhashis Majumder	Computer Science and Engineering	Springer	2020-2021
55	978-1-4503-7761-4	NA	Series (LINIS, VOURIE 134) Identification of Major Depressive Disorder: Using Significant Features of EEG Signals Obtained by Random Forest and Ant Colony Optimization Methods	ISMSI '20: Proceedings of the 2020 4th International Conference on Intelligent Systems, Metaheuristics & Swarm Intelligence	Sujay Saha	Computer Science and Engineering	Association for Computing Machinery (ACM), New York, NY, United States	2020-2021
56	978-981-33-4550-8	Recent Advances in Layered Materials and Structures. Materials Horizons: From Nature to Nanomaterials.	Tribological and Corrosion Behavior of Al-TiB2 Metal Matrix Composites—An Overview	NA NA	Suswagata Poria	Mechanical Engineering	Springer Publication	2020-2021
57	978-981-33-4550-8	Recent Advances in Layered Materials and Structures; Materials Horizons: From Nature to Nanomaterials	Understanding Fabrication and Properties of Magnesium Matrix Nanocomposites	NA	Suswagata Poria	Mechanical Engineering	Springer Publication	2020-2021
58	978-981-33-4550-8	Recent Advances in Layered Materials and Structures; Materials Horizons: From Nature to Nanomaterials.	Mg-WC Nanocomposites—Recent Advances and Perspectives	NA	Suswagata Poria	Mechanical Engineering	Springer Publication	2020-2021
59	NA	NA	Quantum Dots as an Effective Fluorescent Sensing Platform for Heavy Metal Ion	International conference on Chemistry for Human Development (ICCHD-2020)	Abhijit Mandal	Chemistry and Environment	ICCHD 2020	2019-2020
60	978-3-030-42363- 6/2662-3455	Intelligent Techniques and Applications in Science and Technology/Discrimination of Rice Based on Alkali Spreading Value (ASV) by Machine Vision Technique	NA	NA	Anil Kumar Bag	Applied Electronics and Instrumentation Engineering	Springer Nature Switzerland AG	2019-2020
61	978-981-13-8962-7	Advanced Computing and Systems for Security	End-User Position-Driven Small Base Station Placement for Indoor Communication	6th International Doctoral Symposium on Applied Computation and Security	Anindita Kundu	Computer Science and Engineering	Springer, Singapore	2019-2020
62	9781728153629	NA	An Axis Based Mean Filter for Removing High-Intensity Salt and	IEEE Calcutta Conference (CALCON)	Anindita Kundu	Computer Science and Engineering	IEEE	2019-2020
63	NA	International Conference on Electrical, Electronics and Communication Technology (ICEECT2020)	Pepper Noise Study of Respiratory Disorders by Clustering Gain Rules of a Self-Tuning Fuzzy Controller	International Conference on Electrical, Electronics and Communication Technology (ICEECT2020)	Arabinda Kumar Pal	Applied Electronics and Instrumentation Engineering	NA	2019-2020
64	978-93-88069-19-9	Development and Deprivation in the Indian Sub-continent, Edited by Utpal Kumar De & Manoranjan Pal, Chapter 12, pages 263-278	Information Technology Industry: A Driver of Socio-Economic Inequity and A Catastrophic Psychological Transformer?	National Seminar on Poverty, Inequality and Health in India: With Specials Reference to North East India, North-East Hill University, October 2015	Arindam Chatterjee	Computer Science and Engineering	Levant Books	2019-2020
65	9781138625273	Handbook for III-V High Electron	NA	NA NA	Atanu Kundu	Electronics and Communication	CRC Press, Taylor &	2019-2020
66	9781728165653	Mobility Transistor Technologies NA	Impact of AlGaN Doping Concentration on the Analog/RF Performance of a Double Gate Underlap n-AlGaN/GaN MOSHEMT	2020 International Symposium on Devices, Circuits and Systems (ISDCS)	Atanu Kundu	Engineering Electronics and Communication Engineering	Francis Group IEEE Xplore	2019-2020
67	13: 978-1-138-62527-	AlGaN/GaN HEMT Modeling and	NA	NA	Atanu Kundu	Electronics and Communication	CRC Press, Taylor &	2019-2020
68	978-981-15-7408-5	Simulation Advances in Bioprocess Engineering and Technology	NA	ICABET-2020	Avijit Ghosh	Engineering Chemical Engineering	Francis Group Springer Nature	2019-2020
69	Electronic ISBN:978-1- 7281-3007-1 Print on Demand(PoD) ISBN:978-1-7281- 3008-8		Modeling and control of a PEM fuel cell performance using Artificial Neural Networks to maximize the real time efficiency	International Conference on Energy Management for Green Environment (UEMGREEN)	Avijit Ghosh	Chemical Engineering	IEEE	2019-2020
70	ISBN 978-93-5416- 440-8 ISBN 978-93- 5416-440-8 (eBook)	ICRACEM 2020: Recent Advances in Computational and Experimental Mechanics	First Ply Failure Behaviour Of Corner Point Supported Laminated Composite Skew Plate	Proceedings of The 1st Online Conference On International Conference On Recent Advances In Computational And Experimental Mechanics (Icracem)	Dona Chatterjee	Civil Engineering	Indian Institute of Technology Kharagpur	2019-2020
71	NA	Proceedings of 64th International Congress of ISTAM 9-12 December, 2019, Indian Institute of Technology Bhubaneswar, Argul, Khordha, Bhubaneswar, India	Experimental and finite element investigation of carbon fiber reinforced composites	Proceedings of 64th International Congress of ISTAM 9-12 December, 2019, Indian Institute of Technology Bhubaneswar, Argul, Khordha, Bhubaneswar, India	Dona Chatterjee	Civil Engineering	Indian Society Of Theoretical and Applied Mechanics (ISTAM)	2019-2020
72	978-981-15-7408-5	NA	Development of micellized antimicrobial thiosulfinate: A contemporary way of drug stability enhancement	Advances in Bioprocess Engineering and Technology	Dwaipayan Sen	Chemical Engineering	Springer Nature Singapore Pte Ltd.	2019-2020
73	978-981-15-7408-5	NA	Study on application of novel synthesized silver metallosurfactant for membrane cleaning	Advances in Bioprocess Engineering and Technology	Dwaipayan Sen	Chemical Engineering	Springer Nature Singapore Pte Ltd.	2019-2020
74	2296-3650	"Mass Transport through Composite Asymmetric Membranes" in Diffusion Foundations, pp. 151	NA .	NA	Dwaipayan Sen	Chemical Engineering	Trans Tech Publications Ltd	2019-2020
75	978-3-11065-524-7	Chapter 11: Optimization of oily wastewater treatment process using a neuro-fuzzy adaptive model in Computational Intelligence. Theoretical Advances and Advanced Applications	NA .	NA .	Dwaipayan Sen	Chemical Engineering	De Gruyter	2019-2020
76	978-1-64490-010-9	Microbial Fuel Cell for the Treatment of Wastewater in Microbial Fuel Cells: Materials and Applications (volume 46), pp. 289	NA	NA	Dwaipayan Sen	Chemical Engineering	Materials Research Forum LLC	2019-2020
77	978-1-138-58034-3	рр 289 NA	Auto adaptive fuzzy controllers with automatic set point adjustment	International Conference on Industrial Electronics Mechatronics Electrical & Mechanical Power (IEMPOWER 2019)	Indrajit Naskar	Applied Electronics and Instrumentation Engineering	CRC Press, Taylor & Francis Group	2019-2020
78	978-1-138-58034-3	NA	Control and monitor of nonlinear gas flow by developing self adaptive fuzzy controller	International Conference on Industrial Electronics Mechatronics Electrical & Mechanical Power (IEMPOWER	Indrajit Naskar	Applied Electronics and Instrumentation Engineering	CRC Press, Taylor & Francis Group	2019-2020

79	978-981-16-1543-6	NA	Comparative Study of the Effect of Different Fitness Functions in PSO Algorithm on Band Selection of Hyperspectral Imagery	Research and Applications in Artificial Intelligence (RAAI)	Joydev Harza	Information Technology	Advances in Intelligent Systems and Computing, Vol- 1355, Springer, Singapore	2019-2020
80	978-99949-0-611-6	NA	Microwave Filter Design by Geometrical Tuning of Periodic Microstrip Line Structures	IEEE Radio & Antenna Days of the Indian Ocean (RADIO)	Kasturi Mukherjee	Electronics and Communication Engineering	IEEE Explore	2019-2020
81	978-81-945407-3	Realizing Sri Jagannath, Sri Jagannath Anubhab Katha. (Translation from Bengali to English)	Realizing Sri Jagannath- Title of the book	NA	Madhumita Chanda	Humanities	Khosra Khata, Kolkata.	2019-2020
82	2581-5903		NA	NA	Madhumita Chanda	Humanities	Biplab Chakraborty, PO Subhash pally,	2019-2020
83	9781728153629	NA	A Comparative Analysis of Analog Performance of Underlapped Dual Gate AlGaN/GaN based MOSHEMT and Schottky-HEMT	2020 IEEE Calcutta Conference (CALCON)	Mousiki Kar	Electronics and Communication Engineering	Malda IEEE Explore	2019-2020
84	9781728153629	NA	Effect of Doped AlGaN Width Variation on Analog Performance of Dual Gate	2020 IEEE Calcutta Conference (CALCON)	Mousiki Kar	Electronics and Communication Engineering	IEEE Explore	2019-2020
85	9781728153629	NA	Underlap MOS-HEMT Influence of GaN layer width to AlGaN layer width Ratio on Analog Performance Enhancement of an Underlap DG AlGaN/GaN based MOS- HEMT Device	2020 IEEE Calcutta Conference (CALCON)	Mousiki Kar	Electronics and Communication Engineering	IEEE Explore	2019-2020
86	978-981-15-0706-9	Studies on Lead Removal from Simulated Wastewater in Packed Bed Bioreactor Using Attached Growth Technique,	Studies on Lead Removal from Simulated Wastewater in Packed Bed Bioreactor Using Attached Growth Technique,	Recent Trend in Waste Water Treatment and Water Resource Management	Pinaki Bhattacharya	Chemical Engineering	Springer Publication	2019-2020
87	978-1-53618-042-8	Ethnicity and Syndrome X (Endocrinology Research and Clinical Developments)	Differences in Proinflammatory State and Syndrome X: An Overview	NA	Plaban Chaudhuri	Biotechnology	Nova Science Publishers	2019-2020
88	NA	NA	Effect of Metabolic Risk Factors, Gene Polymorphisms and Family History Among T2DM Population in Asian Indians	International Conference on Advances in Bioprocess Engineering and Technology (ICABET 2020)	Plaban Chaudhuri	Biotechnology	NA	2019-2020
89	9781799825845	Advancements in Instrumentation and Control in Applied System Applications.	Electronic Tongue for Tea Quality Assessment: Advanced Signal Processing Techniques for Estimation of Thearubigin and Theaflavin.	Advanced Signal Processing Techniques for Estimation of Thearubigin and Theaflavin.	Pradip Saha	Applied Electronics and Instrumentation Engineering	IGI Global	2019-2020
90	10.4018/978-1-5225- 5852-1	Wolf-Swarm Colony for Signature Gene Selection Using Weighted Objective Method	Wolf-Swarm Colony for Signature Gene Selection Using Weighted Objective Method	Book: Nature-Inspired Algorithms for Big Data Frameworks	Prativa Agarwalla	Electronics and Communication Engineering	IGI Global	2019-2020
91	2214-7853	Materials Today : Proceedings, Volume 5, Issue 2, Part 1	Free vibration analysis of antisymmetric angle ply laminated composite stiffened hypar shell with cutout	7th International Conference of Materials Processing and Characterization	Puja Basu Chaudhuri	Civil Engineering	Elsevier	2019-2020
92	NA	NA	Rainfall runoff modelling of upper Damodar river basin using SWAT model.	International Conference on Water Energy and Environmental Sustainability, NIT Durgapur, India.	Rajashree Lodh	Civil Engineering	NA	2019-2020
93	NA	NA	Study on the stabilization of arsenic- laden sludge from arsenic filters.	International Conference on Sustainable Energy and Environmental Sciences, DSCSEC Kolkata, India.	Rajashree Lodh	Civil Engineering	NA	2019-2020
94	NA			LSt Online International - Conference on Recent Advances in Computational and Experimental Mechanics	Ranojit Banerjee	Mechanical Engineering	1st Online International Conference on Recent Advances in Computational and Experimental Mechanics-IIT kharagpur	2019-2020
95	ISBN 978-981-13- 7070-0	Sustainable Waste Management: Policies and Case Studies	An Analysis of Data Security and Potential Threat from IT Assets for Middle Card Players, Institutions and Individuals	7th IconSWM—ISWMAW 2017, Volume 1	Reshma Roychoudhuri	Computer Science and Engineering	Springer	2019-2020
96	978-981-15-7409-2 (online)	Advances in Bioprocess Engineering and Technology	Effect of Metabolic Risk Factors, Gene Polymorphisms, and Family History Among T2DM Population in Asian Indians	International Conference on Advances in Bioprocess Engineering and Technology 2020 (ICABET2020)	Riddhi Goswami	Biotechnology	Springer Nature Singapore Pte Ltd.	2019-2020
97	978-1-53618-042-8	Ethnicity and Syndrome X	Ethnic Differences in Proinflammatory State and Syndrome X: An Overview	International Conference on 'Health Disparity and Health Equity: Indigenous People and Beyond'	Riddhi Goswami	Biotechnology	Nova Science Publishers Inc.	2019-2020
98	NA	NA .	Spectral Characterization and Theoretical Interpretation of a new bis @-phenoxo-bridged heterodinuclear Nickel(II)-Sodium(I) complex	International Conference on	Ruma Roy Choudhury	Chemistry and Environment	Professor Asima Chatterjee Foundation, Kolkata	2019-2020
99	NA	NA .	Crystallographic Characterization and Biological Study of One Thiocyanato Bridged Copper (II) Polymeric Complex Derived From Substituted Thiosemicarbazone Schiff Base	57th Annual Convention of Chemists 2020 & International Conference on Recent Trends in Chemical Sciences - RTCS2020, 26–29 December 2020	Ruma Roy Choudhury	Chemistry and Environment	Indian Chemical Society	2019-2020
100	978-1-7281-4535-8	HiPC	A Deterministic Multi-layered Partitioning Tool for Wire-Length Reduction of Monolithic 3D-IC	26th IEEE International Conference on High Performance Computing, Data, and Analytics,	Sabyasachi Banerjee	Computer Science and Engineering	IEEE	2019-2020
101	NA	Conference	lidentification of Major Depressive Disorder: Using Significant Features of EEG Signals Obtained by Random Forest and Ant Colony Optimization Methods	HiPC 2019, Hyderabad, India Proceedings of the 2020 4th International Conference on Intelligent Systems, Metaheuristics & Swarm Intelligence	Saikat Bandopadhyay	Computer Science and Engineering	ACM Digital Library	2019-2020
102	Hardcover ISBN of Book: 9780128131954, e- Book ISBN: 9780128131961	Encyclopedia of Renewable and Sustainable Materials/ Sustainable Carbon Di-Oxide Sequestration Using Photosynthetic Reactions	NA	NA	Sangita Bhattacharjee	Chemical Engineering	Elsevier	2019-2020
103	ISBN13: 9781799825845	Electronic Tongue for Tea Quality Assessment: Advanced Signal Processing Techniques for Estimation of Thearubigin and Theaflavin in Advancements in Instrumentation and Control in Applied System Applications	NA	NA	Santanu Ghorai	Applied Electronics and Instrumentation Engineering	IGI Global	2019-2020

104	978-3-319-96968-8	Chapter 16 in Advances in Materials, Mechanical and Industrial Engineering (Eds. P Sahoo and J Paulo Davim)	A Study on the Structural Behaviour of AFG Non-uniform Plates on Elastic Foundation: Static and Free Vibration	NA	Sarmila Sahoo	Civil Engineering	Springer Switzerland	2019-2020
105	978-1-7998-4939-1	Chapter 6 in Handbook of Research on	Analysis Effect of Boundary Conditions and	NA	Sarmila Sahoo	Civil Engineering	IGI Global USA	2019-2020
		Advancements in Manufacturing, Materials, and Mechanical Engineering (Ed. L. Burstein)	Taper Patterns on Geometrically Nonlinear Frequency Response of Axially Graded Beams on Elastic Foundation,					
106	Electronic ISBN:978-1- 7281-5830-3 Print on Demand(PoD) ISBN:978-1-7281- 5831-0	NA .	Hybrid Cryptography Algorithm For Secure And Low Cost Communication	International Conference on Computer Science, Engineering and Applications (ICCSEA)	Satarupa Biswas	Information Technology	IEEE	2019-2020
107	978-981-15-4577-1	Seismic Analysis of RC framed High Rise Structures with Plan Irregularity	Seismic Analysis of RC framed High Rise Structures with Plan Irregularity, Effect of plastic hinge properties in nonlinear static pushover analysis on low-rise reinforced concrete buildings.	Proceedings of International Conference on Recent Development in Sustainable Infrastructures (ICRDSI-2019), Bhubaneswar, Proceedings of Structural Engineering Convention, SEC 2016, IIT MADRAS, CHENNAI, INDIA	Saurav Kar	Civil Engineering	SPRINGER	2019-2020
108	978-81-8211-146-2	Proceeding of International Conference of Emerging Technologies and Sustainable Development, 2019	Reduced Subcarrier Index Modulation OFDM for Multicarrier Wireless Communication	Proceeding of International Conference of Emerging Technologies and Sustainable	Shounak Dasgupta	Electronics and Communication Engineering	Government College of Engineering and Leather Technology,	2019-2020
109	978-3-030-40689-9	(ICETSD '19) Advances in Intelligent Systems and Computing Vol No 1137, PP- 418-428	Design and Development of an Interactive Community-Driven Information System for Rural Artisans: CISRA Framework	Development, 2019 (ICETSD '19) Proceedings of the International Conference on Information Technology & Systems (ICITS 2020)	Siuli Roy	Information Technology	Kolkata Springer, Cham	2019-2020
110	9781450377515	NA	A Crowdsourcing based Information System Framework for Coordinated Disaster Management and Building Community Resilience	Proceedings of the 21st International Conference on Distributed Computing and Networking (ICDCN 2020)	Siuli Roy	Information Technology	ACM, New York, United States	2019-2020
	9781450360944	NA	Building Resilient Community using Social Technologies: A Precursory Measure for Effective Disaster Management	Proceedings of the 20th International Conference on Distributed Computing and Networking	Siuli Roy	Information Technology	ACM, New York, United States	2019-2020
112	9789811365720	Reliable Post Disaster Services over Smartphone based DTN An End-to-End Framework	NA	NA	Siuli Roy	Information Technology	Springer, Singapore (Smart Innovation Systems and Technologies Series, Volume- 137 Springer Nature 2019)	2019-2020
113	2195-271XI	Advances in Bioprocess Engineering and Technology	Effect of Calcium salts on salinity stress on morphology and biochemical estimation of rice seedlings.	International Conference onAdvances in Bioprocess Engineering and Technology	Soma Banerjee	Biotechnology	Springer Nature Singapore Pte Ltd.	2019-2020
114	2195-271X	Advances in Bioprocess Engineering and Technology.	Anti-adhering property study of green nanotechnology based modified chitin flakes- a novel approach towards biofilm eradication	International Conference onAdvances in Bioprocess Engineering and Technology	Soma Banerjee	Biotechnology	Springer Nature Singapore Pte Ltd.	2019-2020
115	ISBN: 978-981-15- 7409-2	Advances in Bioprocess Engineering and Technology	Optimization of process parameters for bio-degradation of resorcinol in presence of toxic heavy metals by Response Surface Methodology (RSM)	2nd International Conference on Advances in Bioprocess Engineering and Technology 2020	Sonali Hazra Das	Biotechnology	Springer	2019-2020
116	INSPEC Accession Number: 19471199	NA	Narrow Wall Slotted Planar Array Antenna by using Differential Feed at > Band	2019 IEEE Asia-Pacific Microwave Conference (APMC)	Soumyo Chatterjee	Electronics and Communication Engineering	IEEE Xplore	2019-2020
117	Ebook - 9783110634051, Hard Cover - 9783110633788	Interactional motifs: Leveraging risks in large and distributed software development teams, in book: Project Risk Management: Managing Software Development Risk - part of a multi-book series titled "Developments in Managing and Exploiting Risk"	NA .	NA	Subhashis Majumder	Computer Science and Engineering	DeGruyter Publisher	2019-2020
118	Electronic ISBN:978-1- 7281-6052-8 Print on Demand(PoD) ISBN:978-1-7281- 6053-5		Scalable Recommendations Using Clustering Based Collaborative Filtering	International Conference on Information Technology (ICIT)	Subhashis Majumder	Computer Science and Engineering	IEEE	2019-2020
119	978-981-15-2414-1 (online), 978-981-15- 2413-4 (print)	Progress in Computing, Analytics and Networking, part of Advances in Intelligent Systems and Computing book series (AISC, volume 1119)	Efficient Data Structure for the Top-k Variation of Sports Auction	NA	Subhashis Majumder	Computer Science and Engineering	Springer	2019-2020
120	Print ISBN 978-981-15- 7408-5, Online ISBN 978-981-15-7409-2	Advances in Bioprocess Engineering and Technology, Lecture Notes in Bioengineering.	Optimization of Process Parameters for Biodegradation of Resorcinol in Presence of Toxic Heavy Metals by Response Surface Methodology (RSM)	Advances in Bioprocess Engineering and Technology	Sudipta Dey Bandyopadhyay	Biotechnology	Springer, Singapore	2019-2020
121	978-88332-21-7	To Change OR To Be Change-Paradox of		NA	Suparna Chakraborti	Humanities	Authors Press, New	2019-2020
122	978-93-88332-21-7	Higher Education in India Book Chapter-'Academic Autonomy and World Class Universities'	and World Class Universities NA	NA	Suparna Chakraborti	Humanities	Delhi Authors Press, New Delhi	2019-2020
123	0373-0786	Proceedings Indian Science Congress	Presidential Address of Section: Engineering Sciences	106th Session of Indian Science Congress, Engineering Sciences Section	Swami Vedajnananda	Chemical Engineering	Indian Science Congress association, Govt. of India	2019-2020
124	978-981-15-3477-5	Emerging Trends in Photonics, Signal Processing and Communication Engineering	Detection of Fingerprint Pattern and Refractive Index of Deposited Sebum by Using Total Internal Reflection	Emerging Trends in Photonics, Signal Processing and Communication Engineering	Tania Das	Electronics and Communication Engineering	Springer, Singapore	2019-2020
125	978-981-15-6467-3	Progress in Optomechatronics	A Low-Cost Pathological Gait Detectior System in Multi-Kinect Environment	Progress in Optomechatronics	Tania Das	Electronics and Communication Engineering	Springer, Singapore	2019-2020
126	978-981-15-6467-3	Progress in Optomechatronics	Quantitative Estimation of Spatially Varying Refractive Index in Optical Fibre Preform	Progress in Optomechatronics	Tania Das	Electronics and Communication Engineering	Springer, Singapore	2019-2020
127	978-981-10-5349-8	Utilization and Management of Bioresources	Preparation and Characterisation of Solid Catalysts for Saccharification of Biomass	Proceedings of 6th IconSWM 2016	Abhyuday Mallick	Chemical Engineering	Springer Nature Singapore Pte Ltd.	2018-2019

128	2617-9903	Mother Language	Function of Proverbs in the making of	NA.	Aditi Bhunia Chakraborty	Humanities	Mother Language,	2018-2019
120	2017-5503	Mother Language	'Patriarchy' and the 'Reverse Social	NA .	Auti Briurila Criakraborty	numanities	Vol. 1.1 (a Journal	2018-2019
			Order'				published by the	
							International Mother Language Institute,	
							Dhaka,	
							Bangladesh—UNESC	
							O Category 2	
129	978-1-5386-8134-3	NA	Dynamic Queuing Model for the	IEEE International Conference on	Anindita Kundu	Computer Science and Engineering	Institute), IEEE	2018-2019
			Secondary Users in a Cognitive Radio	Advanced Networks and				
			Network for Improvement of QoS	Telecommunications Systems (ANTS)				
130	978-981-10-7562-9	Information and Decision Sciences	A Fuzzy-based Modified Gain Adaptive	International Conference on	Arabinda Kumar Pal	Applied Electronics and	Springer	2018-2019
			Scheme for Model Reference Adaptive	Frontiers of Intelligent		Instrumentation Engineering		
			Control	Computing: Theory and Applications (FICTA 2017)				
131	978-93-86611-19-2	Inclusive and Sustainable Development,	Information Technology Industry:	ECONference 2016 "Inclusive and	Arindam Chatterjee	Computer Science and Engineering	Serials Publications	2018-2019
		Edited by Soumyendra Kishore Datta,	Rapid depletion of human capital and	Sustainable Development",				
		Arup Chatterjee, Soumyananda Dinda, Pages 273-297, Chapter 12	a major challenge to Sustainable Development	Department of Economics, Burdwan University, 25th-26th				
				February, 2016				
132	97815386-67231	NA .	Influence of Channel Thickness on	IEEE International Conference	Atanu Kundu	Electronics and Communication	IEEE Xplore	2018-2019
132	57813380-07231	NA .	Analog and RF Performance	DevIC2019	Atanu Kunuu	Engineering	ILLE APIOTE	2018-2019
			Enhancement of an Underlap DG					
133	NA	NA	AlGaN/GaN based MOS-HEMT Device Modeling and control of a PEM fuel	1st International Conference on	Avijit Ghosh	Chemical Engineering	Jointly organized by	2018-2019
			cell performance using artificial neural	Ubiquitous Energy Management	,		IEEE and UEM Kolkata	
			networks to maximize the real time	for Green Environment				
134	Print ISBN 978-981-13-	Communications in Computer and	efficiency Development of a Power Efficient	(UEMGREEN-2019) Social Transformation – Digital	Debjyoti Chowdhury	Applied Electronics and	Springer Nature	2018-2019
	1342-4 Online ISBN	Information Science	Hearing Aid Using MEMS Microphone	Way		Instrumentation Engineering		
	978-981-13-1343-1							
135	Series ISSN 2194-	Operations Research and Optimization	A Multi-item Inventory Model with	International Conference on	Dipankar Chakraborty	Mathematics	Springer	2018-2019
	1009, eBook ISBN:		Fuzzy Rough Coefficients via Fuzzy	Frontiers in Optimization: Theory				
136	978-981-10-7814-9 NA	Proceedings of 64th International	Rough Expectation First Ply Failure Analysis of Laminated	and Applications Proceedings of 64th International	Dona Chatterjee	Civil Engineering	Indian Society Of	2018-2019
		Congress of ISTAM 9-12	Composite Skew Plates Using ANSYS.	Congress of ISTAM 9-12	, , , , , , , , , , , , , , , , , , , ,		Theoretical and	
		December,2019, Indian Institute of Technology Bhubaneswar,		December,2019, Indian Institute of Technology Bhubaneswar,			Applied Mechanics (ISTAM)	
		Argul, Khordha, Bhubaneswar, India		Argul, Khordha, Bhubaneswar,			(ISTAIVI)	
				India				
137	978-93-85046-16-2	Membrane Separation Process:	NA	NA	Dwaipayan Sen	Chemical Engineering	Studium Press (India)	2018-2019
		Advanced Application Based Simulation					Pvt. Ltd.	
138	978-3-319-94606-1	Exploring the Universe: From Near	Monte-Carlo Simulation as a Defining	Exploring the Universe: From	Himadri Ghosh	Physics	Springer International	2018-2019
130	978-3-319-94000-1	Space to Extra-Galactic, Astrophysics	Tool to Diagnose Timing and Spectral	Near Space to Extra-Galactic	nimauri Gnosn	Priysics	Publishing AG, part of	2018-2019
		and Space Science Proceedings,	Properties of Flows Around Black				Springer Nature	
139	Print ISRN 978-3-319-	Volume 53 Book: Exploring the Universe: From	Holes NA	NA	Himadri Ghosh	Physics	Springer International	2018-2019
133	94606-1, Online ISBN	Near Space to Extra-Galactic, Chapter:	ING.	INO.	Tilliadi Gilosii	i nysics	Publishing AG	2010-2013
	978-3-319-94607-8	Monte-Carlo Simulation as a Defining						
		Tool to Diagnose Timing and Spectral Properties of Flows Around Black Holes						
140	2194-5357	Information and Decision Sciences	A Fuzzy-based Modified Gain Adaptive Scheme for Model Reference Adaptive		Indrajit Naskar	Applied Electronics and	Springer	2018-2019
			Control	Computing: Theory and		Instrumentation Engineering		
				Applications (FICTA 18)				
141	978-1-7281-0297-9	2019 IEEE Region 10 Symposium (TENSYMP)	A Classification-based Approach to Prediction of Dengue Virus and Human	2019 IEEE Region 10 Symposium (TENSYMP)	Lopamudra Dey	Computer Science and Engineering	IEEE	2018-2019
			Protein-Protein Interactions using					
			Amino Acid Composition and Conjoint					
142	978-81-935467-5-8	Burning Mountains	Triad Features The Allure	NA	Madhumita Chanda	Humanities	Dhauli Books.	2018-2019
		-					Bhubaneswar	-
143	9781522598930	Spiritual Revival and Management	NA	NA	Madhumita Chanda	Humanities	IGI Global	2018-2019
173		Practices: Modern Approach to					. 5. 5.0581	2010-2013
		Management.						
		Science and Spirituality for a Sustainable World: Emerging Research						
		and						
		Opportunities.						
144	978-81-935467-5-8	Burning Mountains : Short Stories of	NA	NA	Madhumita Chanda	Humanities	Dhauli Books,	2018-2019
		Gayatri saraf					Bhubaneshwar.	
145	Hard ISBN: 9781771886154, E-	Biopolymers and Biomaterials: Chapter- 15	Synthesis and Characterization of Biodegradable Polyether Urethane for	NA	Nandan Kumar Jana	Biotechnology	Pub:-Apple Academic Press, (Editor: Aneesa	2018-2019
	Book ISBN:	-	the Purpose of Controlled Release of				Padinjakkara, Aparna	
	9781315161983		Antibiotics				Thankappan,	
							Fernando Gomes Souza, Jr., Sabu	
							Thomas),	
146	Hard ISBN: 9781771886154, E-	Biopolymers and Biomaterials: Chapter- 16	Biodegradation Study of Polyurethane for Therapeutic Applications	NA	Nandan Kumar Jana	Biotechnology	Pub: Apple Academic Press, (Editor: Aneesa	2018-2019
	Book ISBN:		p-==se r pprecutoris				Padinjakkara, Aparna	
	9781315161983.						Thankappan,	
							Fernando Gomes Souza, Jr., Sabu	
1.47	070 004 42 277	Disconnediation of the dec	Discount distinct (Co. 10)	Wests Valed - Co	Disability of the second	Chamical Factors for	Thomas),	2010 2012
147	978-981-13-2784-4	Bioremediation of Lead Compound Using Acinetobacter sp. 158;	Bioremediation of Lead Compound Using Acinetobacter sp. 158;	Waste Valorisation and Recycling	Pinaki Bhattacharya	Chemical Engineering	Springer Publication	2018-2019
		Optimization of Media and Cell Growth	Optimization of Media and Cell					
148	9788182111462	Dynamics Iridium mediated N-H and C-H bond	Growth Dynamics	International conference on	Piyali Paul	Chemistry and Environ	Government Callage	2018-2019
148	5/00102111402	activation of N-(aryl)pyrrole-2-	Iridium mediated N-H and C-H bond activation of N-(aryl)pyrrole-2-	International conference on sustainable development (ICETSD-	riydii Pdui	Chemistry and Environment	Government College of Engineering and	2016-2019
		aldimines	aldimines	2019)			Leather Technology	
149	NA	NA .	Effect of Metabolic and Genetic Risk	International Conference on	Plaban Chaudhuri	Biotechnology	(GCELT) NA	2018-2019
1			Factors on Diabetes in Asian Indian	Health Disparity and Health				
			Population	Equity: Indigenous People and Beyond				
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150	NA	NA	Role of Metabolic Risk Factors and Family History and Diabetes Among Asian Indians	18th All India Congress of Cytology and Genetics & International Symposium on	Plaban Chaudhuri	Biotechnology	NA	2018-2019
151	978-981-13-1471-1	Multi-Objective Optimization	Feature Selection Using Multi- Objective Optimization Technique for Supervised Cancer Classification	Translating Genes and Genomics NA	Prativa Agarwalla	Electronics and Communication Engineering	Springer Nature	2018-2019
152	978-981-10-7289-5	Waste Management and Resource	Estimation of E-waste Generation—A	Proceedings of 6th IconSWM	Reshma Roychoudhuri	Computer Science and Engineering	Springer	2018-2019
		Efficiency	Lifecycle-Based Approach	2016				
153	978-1-5386-3719-7	NA	Designing of An Improved MRAC with Fuzzy -PD Feedback for Marginally Stable processes	5th International Conference on Emerging Applications on Information Technology ,EAIT-	Reshma Sengupta	Applied Electronics and Instrumentation Engineering	IEEE	2018-2019
154	978-1-53614-670-7	C-Reactive Protein and Family History: A Future Threat Towards Diabetes and Syndrome X	NA NA	2018 NA	Riddhi Goswami	Biotechnology	Nova Science Publishers Inc.	2018-2019
155	9.78939E+12	Effect of metabolic risk factors and family history on Diabetes in Asian Indian population.	NA	NA	Riddhi Goswami	Biotechnology	Concept Publishers	2018-2019
156	978-3-319-72483-6	Characterization of Minerals, Metals, and Materials 2018	Structural, Spectroscopic, Magnetic, and Thermal Characterizations of a Magnetite Ore from the Nagaland Region, India	TMS Annual Meeting & Exhibition		Physics	Springer, Cham	2018-2019
157	2159-3450	NA	Automated consistency checking of UML/MARTE based software systems	TENCON 2018 - 2018 IEEE Region 10 Conference	Rumpa Hazra	Computer Science and Engineering	IEEE	2018-2019
158	978-1-5386-3692-3	VLSID	Test-Time Reduction for Power-Aware 3D-SoC	31st International Conference on VLSI Design and 17th International Conference on Embedded Systems, VLSID 2018	Sabyasachi Banerjee	Computer Science and Engineering		2018-2019
159	978-1-5386-5550-4	NA	Cooperative Sharing Based Inter and Intra Cellular Cognitive Radio Network and Architecture.	2nd International IEEE Conference on Electronics, Materials Engineering & Nano-Technology	Sabyasachi Chatterjee	Electronics and Communication Engineering	IEEE	2018-2019
160	978-3-319-74808-5	Ear Based Biometric Analysis for Human Identification	Ear Based Biometric Analysis for Human Identification	Modelling and Simulation in Science, Technology and Engineering Mathematics, MS-17	Samik Chakraborty	Applied Electronics and Instrumentation Engineering	Springer, Cham	2018-2019
161	978-1-5225-5216-1	Chapter 11 in Composites and Advanced Materials for Industrial Applications (Eds. K Kumar and J Paulo Davim)	Laminated Composite Hypar Shells as Roofing Units: Static and Dynamic Behavior	NA	Sarmila Sahoo	Civil Engineering	IGI Global USA	2018-2019
162	978-1-7998-1831-1	Chapter 14 in Handbook of Research on Developments and Trends in Industrial and Materials Engineering (Ed. P. Sahoo)	Corrosion Protection of Construction Steel	NA	Sarmila Sahoo	Civil Engineering	IGI Global USA	2018-2019
163	978-93-83660-38-4	Proceedings of First International Conference on Mechanical Engineering (INCOM 2018)	cut-out on higher modes	Proceedings of First International Conference on Mechanical Engineering (INCOM 2018)	Sarmila Sahoo	Civil Engineering	Jadavpur University Press	2018-2019
164	9781450360944	NA	iSecure: Imperceptible and Secure Peer-to-peer Communication of Post- disaster Situational Data over	Proceedings of the 20th International Conference on Distributed Computing and	Siuli Roy	Information Technology	ACM, New York, United States	2018-2019
165	978-3-030-16681-6	NA	Opportunistic DTN Reducing the negative effect of	Networking (ICDCN 2019) 8th World Congress on	Smritikona Barai	Computer Science and Engineering	Springer	2018-2019
			malicious nodes in Opportunistic Networks Using Reputation based Trust Management	Information and Communication Technologies (WICT 2018)				
166	INSPEC Accession Number: 19471157	NA	Simultaneous Control of Side Lobe Level and Beamwidth in Planar Array Antenna using Restricted Search Evolutionary Algorithms	2019 IEEE Asia-Pacific Microwave Conference (APMC)	Soumyo Chatterjee	Electronics and Communication Engineering	IEEE Xplore	2018-2019
167	978-981-13-6573-7	Reliable Post Disaster Services over Smartphone based DTN: An End-to-End Framework	NA NA	NA	Souvik Basu	Computer Applications	Springer	2018-2019
168	978-3-030-28957-7	NA	Tag-cloud Based Recommendation for	18th International Conference on	Subhashis Majumder	Computer Science and Engineering	Springer	2018-2019
			Movies	Computer Information Systems and Industrial Management Applications (CISIM), Belgrade, Serbia				
169	978-981-13-1810-8	Communications in Computer and Information Science (CCIS) in Advances in Computing and Data Sciences	Ranking of cancer mediating genes: a novel approach using genetic algorithm in DNA microarray gene expression dataset	Proceedings of the Second International Conference on Advances in Computing and Data Sciences, ICACDS 2018, Dehradun, India, April 2018	Sujay Saha	Computer Science and Engineering	Springer, Singapore	2018-2019
170	978-3-319-78723-7	Healthcare and Diseases in Lecture Notes in Bioinformatics	Gene-Gene Interaction Analysis: Correlation, Relative Entropy and Rough Set Theory Based Approach	In: Rojas I., Ortuño F. (eds) Bioinformatics and Biomedical Engineering 6th International Work-Conference, IWBBIO 2018 Granada, Spain, April 25–27, 2018 Proceedings	Sujay Saha	Computer Science and Engineering	Springer Nature	2018-2019
171	978-93-88332-24-8	Expression of Female Sexuality: A Perspective of Emancipation in the Poems of Kamala Das	NA	NA	Suparna Chakraborti	Humanities	Sophia Centre for Women Studies and Development, Mumbai.	2018-2019
172	978-9388859-31-8	Book Chapter-'Feminist and Post-	NA	NA	Suparna Chakraborti	Humanities	Authors Press, New	2018-2019
173	978-93-88332-24-8	colonial Angles' Interrogating Patriarchy-essays on Contemporary Women Poets of India	Title of Book Chapter-Expression of Female Sexuality-A Perspective of Emancipation in the Poems of Kamala Das	NA	Suparna Chakraborti	Humanities	Delhi Sophia Centre for Women Studies & Development, Mumbai.	2018-2019
174	978-93-88859-31-8	Language, Literature And Beyond-The Postmodern Genre	Book Chapter-Feminist and Post - Colonial Angles	NA	Suparna Chakraborti	Humanities	Authors Press, New Delhi	2018-2019
175	ISBN 978-981-10- 7901-6	Advances in Communication, Devices and Networking	Modeling of Lead-Free CH3NH3SnI3- Based Perovskite Solar Cell Using ZnO as ETL	Proceedings of ICCDN 2017	Tapas Chakrabarti	Electronics and Communication Engineering	Springer Nature Singapore Pte Ltd.	2018-2019
176	978-981-10-5348-1	Book - Utilisation and Management of Bioresources	Preparation and Characterisation of Solid Catalysts for Saccharification of Biomass	Proceedings of 6th ICONSWM 2016	Abhyuday Mallick	Chemical Engineering	Springer Nature Singapore Pte Ltd.	2017-2018
177	978-981-10-5348-1 (hardcover), 978-981- 10-5349-8 (ebook) 978-93-82120-99-5	Book - Utilization and Management of Bioresources Ways with Language: A Festschrift in	NA Men's Tongue, Women's Tongue:	NA NA	Abhyuday Mallick Aditi Bhunia Chakraborty	Chemical Engineering Humanities	Springer Nature Singapore Pte Ltd. Lakshi Publishers &	2017-2018
		Honour of Prof. Udaya Narayana Singh	Differences, Stereotypes and Idiosyncrasies in Literary Discourse				Distributors, Daryaganj, New Delhi	
179	2617-9903	Mother Language	Gender Typecasts, Differences and Peculiarities in Literary Discourse: A Novel Based Analysis in Bangla	NA	Aditi Bhunia Chakraborty	Humanities	International Mother Language Institute (UNESCO Category-2 Institute)	2017-2018
180	978-1-1380-3273-6	Nanogenerator-A Self Powered Nanodevice	NA	NA	Amrita Banerjee	Electronics and Communication Engineering	CRC Press	2017-2018

181	978-1-5090-2638-8	IEEE Xplore	Discrimination of turmeric brands by	2016 International Conference on	Anil Kumar Bag	Applied Electronics and	IEEE	2017-2018
101	576-1-3030-2030-0	ice Apiore	means of near infrared (NIR) spectroscopy combined with chemometrics	Intelligent Control Power and Instrumentation (ICICPI)	Alli Kullai bag	Instrumentation Engineering	ILLE	2017-2010
182	978-3-319-55368-9	Advanced Interfacing Techniques for Sensors	Interfacing and Pre-processing Techniques with Olfactory and Taste Sensors	NA	Anil Kumar Bag	Applied Electronics and Instrumentation Engineering	Springer, Cham	2017-2018
183	978-1-5090-4443-6	NA	An algorithm towards QoS improvement of cognitive mobile users	International Conference on Wireless Communications, Signal Processing and Networking (WISPNET)	Anindita Kundu	Computer Science and Engineering	IEEE	2017-2018
184	978-981-10-6430-2	Communications in Computer and Information Science	Type-2 Fuzzy Controller with Type-1 Tuning Scheme for Overhead Crane Control	International conference- Computational Intelligence, Communications, and Business Analytics (CICBA 2017)	Arabinda Kumar Pal	Applied Electronics and Instrumentation Engineering	Springer	2017-2018
185	9781538608159	NA	Evaluating Performance of Some Common Filtering Techniques for Removal of Gaussian Noise in Images	2017 IEEE International Conference on Power, Control, Signals and Instrumentation	Arindam Chatterjee	Computer Science and Engineering	IEEE	2017-2018
186	978-1-5386-2925-3	NA .	Exploring Network on Chip Architectures Using GEM5	Engineering (ICPCSI) 2017 International Conference on Information Technology (ICIT 2017)	Arindam Chatterjee	Computer Science and Engineering	IEEE	2017-2018
187	NA	NA	Effect of Radial Baffles Fitted Downstream of an Axi-Symmetric Sudden Expansion Circular Duct on the	1st International Conference on Mechanical Engineering, (INCOM 2018)	Arindam Mandal	Mechanical Engineering	NA	2017-2018
188	2214-7853	Materials Today : Proceedings, Volume 5, Issue 2, Part 1	Turbulent Fluid Flow Effect of Heat Treatment on the Characteristics of Electroless Ni-B, Ni-B W and Ni-B-Mo Coatings	7th International Conference of Materials Processing and Characterization	Arkadeb Mukhopadhyay	Mechanical Engineering	Elsevier	2017-2018
189	9781509047253	NA	Effect of Channel Engineering on Analog/RF Performance of Underlapped Gatestack DG-MOSFET in Sub-20nm Regime	IEEE International Conference DevIC2017	Atanu Kundu	Electronics and Communication Engineering	IEEE Xplore	2017-2018
190	9781509047253	NA	Performance Comparison of U-DG-GS- NMOSFET for different channel lengths	DevIC 2017	Atanu Kundu	Electronics and Communication Engineering	IEEE Xplore	2017-2018
191	9781509047253	NA	Symmetric/Asymmetric Underlap DG- MOSFET: A Study of Analog/RF Performance using Non-Quasi Static Approach	IEEE International Conference DevIC 2017	Atanu Kundu	Electronics and Communication Engineering	IEEE Xplore	2017-2018
192	9781509047253	NA	UDGMOSFET Based Analog Circuit	IEEE International Conference on	Atanu Kundu	Electronics and Communication	IEEE Xplore	2017-2018
193	978-1138032736	Nanotechnology: Synthesis to	Blocks in Cadence Virtuoso NA	DevIC 2017 NA	Atanu Kundu	Engineering Electronics and Communication	CRC Press, Taylor &	2017-2018
194	13: 978-1-138-03273-	Application Nanotechnology: Synthesis to	NA	NA	Atanu Kundu	Engineering Electronics and Communication	Francis Group CRC Press, Taylor &	2017-2018
195	6 NA	Application/Micro/Nanoelectromechanical Systems		International Conference on	Avijit Ghosh	Engineering Chemical Engineering	Francis Group IIT Roorkee	2017-2018
			Graphene supported Pt-free non- noble metal electrocatalysts for PEM fuel cell	Nanotechnology: Ideas, Innovations and Initiatives	.,			
196	978-93-85046-16-2	Membrane Separation Process: Advanced Application Based Simulation	NA	NA	Dwaipayan Sen	Chemical Engineering	Studium Press (India) Pvt. Ltd.	2017-2018
197	978-981-10-6427-2	Communications in Computer and Information Science	Type-2 Fuzzy Controller with Type-1 Tuning Scheme for Overhead Crane Control	International conference- Computational Intelligence, Communications, and Business Analytics	Indrajit Naskar	Applied Electronics and Instrumentation Engineering	SPRINGER	2017-2018
198	9781119242925	A Hybrid Approach for Band Selection	NA	NA	Joydev Hazra	Information Technology	John Wiley & Sons Ltd	2017-2018
199	9.78152E+12	of Hyperspectral Images Image representation, filtering, and natural computing in a multivalued quantum system	NA	NA	Lopamudra Dey	Computer Science and Engineering	IGI Global	2017-2018
200	978-1-5090-4725-3	NA	Symmetric/Asymmetric Underlap DG- MOSFET: A Study of Analog/RF Performance using Non-Quasi Static Approach	2017 Devices for Integrated Circuit (DevIC 2017)	Mousiki Kar	Electronics and Communication Engineering	IEEE Explore	2017-2018
201	978-1-5090-4725-3	NA	UDGMOSFET Based Analog Circuit	2017 Devices for Integrated	Mousiki Kar	Electronics and Communication	IEEE Explore	2017-2018
202	978-981-10-7470-7	Communications in Computer and Information Science	Blocks in Cadence Virtuoso A Dependability Preserving Fluid-Level Synthesis for Reconfigurable Droplet- Based Microfluidic Biochips		Piyali Datta	Engineering Computer Science and Engineering	Springer	2017-2018
203	2327-7033	Applying Big Data Analytics in Bioinformatics and Medicine	Selection of Pathway Markers for Cancer Using Collaborative Binary Multi-Swarm Optimization	Advances in Bioinformatics and Biomedical Engineering	Prativa Agarwalla	Electronics and Communication Engineering	IGI Global	2017-2018
204	978-0-7918-5851-6	Volume 2: Structures and Dynamics; Renewable Energy (Solar, Wind); Inlets and Exhausts; Emerging Technologies (Hybrid Electric Propulsion, UAV,); off Operation and Maintenance; Materials and Manufacturing (Including Coatings, Composites, CMCs, Additive Manufacturing); Analytics and Digital Solutions for Gas Turbines/Rotating Machinery.		ASME 2017 Gas Turbine India Conference	Ranojit Banerjee	Mechanical Engineering	ASME	2017-2018
205	978-981-10-6427-2	Computational Intelligence, Communications, and Business Analytics	Design and Performance Analysis of a Modified MRAC for Second Order Integrating Processes	International Conference on Computational Intelligence, Communications, and Business Analytics, CICBA-2017	Reshma Sengupta	Applied Electronics and Instrumentation Engineering	Springer	2017-2018
206	978-1-5090-4426-9	NA	Design and Performance Analysis of a Modified MRAC for Second Order Processes	2017 4th International Conference on Power, Control & Embedded Systems , ICPCES-2017	Reshma Sengupta	Applied Electronics and Instrumentation Engineering	IEEE	2017-2018
207	978-3-319-72483-6	Characterization of Minerals, Metals, and Materials 2018	Structural, Spectroscopic, Magnetic, and Thermal Characterizations of a Magnetite Ore from the Nagaland Region, India	TMS 2018: Annual Meeting & Exhibition	Ritayan Chatterjee	Physics	Springer	2017-2018
208	978-1-5386-3032-7	ISED	A placement optimization technique for 3D IC	7th International Symposium on Embedded Computing and System Design, ISED 2017	Sabyasachi Banerjee	Computer Science and Engineering	IEEE	2017-2018
209	978-1-5090-4724-6	NA	A comprehensive Study on spectrum sensing and resource allocation for cognitive cellular network.	2nd International IEEE Conference in Devices for Integrated Circuit	Sabyasachi Chatterjee	Electronics and Communication Engineering	IEEE	2017-2018
210	978-1-5090-4724-6	NA	A study of VOIP codecs performance over IEEE 802.11 n	2nd International IEEE Conference in Devices for Integrated Circuit	Sabyasachi Chatterjee	Electronics and Communication Engineering	IEEE	2017-2018

211	978-1-5386-1931-5	NA	Gait signal classification tool utilizing Hilbert transform based feature extraction and logistic regression based classification	2017 Third International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	Saibal Dutta	Electrical Engineering	IEEE	2017-2018
212	978-1-5090-5905-8	NA .	Detection of epilepsy using Hilbert transform and KNN based classifier	2017 IEEE International Conference on Smart Technologies and Management for Computing, Communication, Controls, Energy and Materials (ICSTM)	Saibal Dutta	Electrical Engineering	IEEE	2017-2018
213	978-1-5386-3744-9	NA	Identification of Epileptic Seizures using Hilbert Transform and Learning	CALCON 2017: 2017 IEEE Calcutta Conference (A Triennial Event of	Saibal Dutta	Electrical Engineering	IEEE	2017-2018
214	ISBN-10: 9783330343870; ISBN- 13: 978-3330343870	Invex Functions and Optimization : On Infinite Dimensional Spaces	Vector Quantization Based Classifier NA	IEEE Kolkata, Section) NA	Sandip Chatterjee	Mathematics	Lambert Academic Publishing	2017-2018
215	ISBN: 978-1-138- 03157-9	Arrhythmia classification by nonlinear kernel-based ECG signal modeling	Arrhythmia classification by nonlinear kernel-based ECG signal modeling	Proceedings of the International Conference on Advancement of Computer Communication and Electrical Technology (ACCET 2016), West Bengal, India, 21-22 October 2016	Santanu Ghorai	Applied Electronics and Instrumentation Engineering	Taylor & Francis Group	2017-2018
216	978-1-138-03157-9	WHT-based tea quality prediction using electronic tongue signals	using electronic tongue signals	Proceedings of the International Conference on Advancement of Computer Communication and Electrical Technology (ACCET 2016), West Bengal, India, 21-22 October 2016	Santanu Ghorai	Applied Electronics and Instrumentation Engineering	Taylor & Francis Group	2017-2018
217	2320-1754	PEACEWORKS, an ICSSR Journal, , Vol. 8, July 2018 Issue.	Baby Halder: A Study of Violence, Voice and Visibility	Gender, Activism and Politics in India & Sweden	Saptaparna Roy	Humanities	Centre for Peace and Development, Banaras Hindu University	2017-2018
218	181-901849-9-7	The Divine and the Human: Early Modern Mystic Poets of India and Spain	The Mystical Mira and the Language of Her Love	The Divine and the Human: Early Modern Mystic Poets of India and Spain	Saptaparna Roy	Humanities	New Delhi: CSPILAS, Jawaharlal Nehru University, India and GRISO, University of Navarra, Spain	2017-2018
219	978-981-10-2061-2	Design aids for stiffened composite shells with cutout	NA	NA	Sarmila Sahoo	Civil Engineering	Springer Singapore	2017-2018
220	978-93-83660-38-4	Proceedings of First International Conference on Mechanical Engineering	Large amplitude static deflection of axially functionally graded plates on	Proceedings of First International Conference on Mechanical	Sarmila Sahoo	Civil Engineering	Jadavpur University Press	2017-2018
221	2214-7853	(INCOM 2018) Materials Today : Proceedings, Volume 5, Issue 2, Part 1	elastic foundation Large amplitude forced vibration analysis of an axially functionally graded tapered beam resting on elastic foundation	Engineering (INCOM 2018) 7th International Conference of Materials Processing and Characterization	Sarmila Sahoo	Civil Engineering	Elsevier	2017-2018
222	2214-7853	Materials Today : Proceedings, Volume 4, Issue 2, Part A	Bending analysis of laminated stiffened hypar shell roofs with cutout	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	Sarmila Sahoo	Civil Engineering	Elsevier	2017-2018
223	2214-7853	Materials Today : Proceedings, Volume 4, Issue 9	Deflection, forces and moments of composite stiffened hypar shells with cutout	International Conference on Recent Trends in Engineering and Material Sciences (ICEMS-2016)	Sarmila Sahoo	Civil Engineering	Elsevier	2017-2018
224	2214-7853	Materials Today : Proceedings, Volume 5, Issue 2, Part 1	Free vibration analysis of antisymmetric angle ply laminated composite stiffened hypar shell with cutout,	7th International Conference of Materials Processing and Characterization	Sarmila Sahoo	Civil Engineering	Elsevier	2017-2018
225	2214-7853	Materials Today : Proceedings, Volume 5, Issue 2, Part 2	Tribological behaviour of Al-5%SiC metal matrix composite in sodium hydroxide environment	International Conference on Emerging Trends in Materials and Manufacturing Engineering (IMME17)	Sarmila Sahoo	Civil Engineering	Elsevier	2017-2018
226	NA	NA	Design Of A Chipless RFID Tag Loaded With Square Spiral Resonator	URSI General Assembly and Scientific Symposium (GASS)	Sayantani Datta	Electronics and Communication Engineering	URSI	2017-2018
227	Print version ISBN 978-1-911218-48-7	NA .	Cultivating Online Communities of Practice as Rural Knowledge Management Strategy in India	Proceedings of the 18th European Conference on Knowledge Management, Universitat Internacional de Catalunya, Barcelona, Spain	Siuli Roy	Computer Applications	Academic Conferences and Publishing International Limited, UK	2017-2018
228	INSPEC Accession Number: 18111927	NA	Pattern Synthesis of Large Numbered Beam-steered Linear Array Using Restricted Search Particle Swarm Optimization	2018 2nd International Conference on Electronics, Materials Engineering & Nano- Technology (IEMENTech)	Soumyo Chatterjee	Electronics and Communication Engineering	IEEE Xplore	2017-2018
229	978-981-13-2622-6	Computational Science and Technology	A Framework for Linear TV Recommendation by Leveraging Implicit Feedback	5th ICCST, Kota Kinabalu, Malaysia	Subhashis Majumder	Computer Science and Engineering	Springer	2017-2018
230	978-981-10-8240-5	Advanced Computational and Communication Paradigms	1)Development of a Prototype Skin Color Monitor for Noninvasive Estimation of Blood Bilirubin 2) Development and Feasibility Studies of a Device for Early Prediction of Asthma Attack	International Conference on Advanced Computations and Communications	Surajit Bagchi	Applied Electronics and Instrumentation Engineering	Springer	2017-2018
231	978-981-10-3908-9	Advances in Optical Science and Engineering	Differential Phase Imaging of Evanescent Wave in Total Internal Reflection for Determining Refractive Index	Advances in Optical Science and Engineering	Tania Das	Electronics and Communication Engineering	Springer	2017-2018
232	978-3-319-21671-3	Next Generation Sensors and Systems, Smart Sensors, measurement and Instrumentation	A New Scheme for Determination of Respiration Rate in Human Being Using MEMS Based Capacitive Pressure Sensor	Int. Conf. of Sensing Technology	Madhurima Chattopadhyay	Applied Electronics and Instrumentation Engineering	Springer International Publishing Switzerland	2016-2017
233	978-93-82112-24.	Women, Violence and Law: An Intimate Interrogation Open Distance Paradigm Vol II. Ed.	Stylistic Analysis of the Language of the Hustlers: A Depiction of the Interrelationship of Language and	NA	Aditi Bhunia Chakraborty	Humanities	Netaji Subhas Open University	2016-2017
234	978-3-319-55369- 6/2194-8410	Advanced Interfacing Techniques for Sensors/Interfacing and Pre-processing Techniques with Olfactory and Taste Sensors	Social Structure NA	NA .	Anil Kumar Bag	Applied Electronics and Instrumentation Engineering	Springer Nature, Springer International Publishing AG	2016-2017
235	Electronic ISBN: 978-1- 5090-4432-0, Print on Demand(PoD) ISBN: 978-1-5090-4433-7		ATPG for 2D/3D Wider Kogge-Stone Adder Circuit	2016 International Conference on Computer, Electrical and Communication Engineering (ICCECE)	Arindam Chatterjee	Computer Science and Engineering	IEEE	2016-2017
236	9781509023103	NA	A comparative study of analog/RF performance: Symmetric and asymmetric underlap gate stack DG- MOSFETs	2016 3rd International Conference on Devices, Circuits and Systems (ICDCS)	Atanu Kundu	Electronics and Communication Engineering	IEEE Xplore	2016-2017

237	9781509023103	NA	Influence on the analog/RF performance in graded channel Gate	3rd International Conference on Devices, Circuits and Systems	Atanu Kundu	Electronics and Communication Engineering	IEEE Xplore	2016-2017
238	ISBN-13: 978-	Nanotechnology: Synthesis to	Stack DG-MOSFETs NA	(ICDCS)	Atanu Kundu	Electronics and Communication	CRC Press, Taylor &	2016-2017
	1138032736, ISBN-10: 1138032735	Application				Engineering	Francis Group	
239	2319-1163	NA	Electro-osmosis Dewatering of Coal Sludge	ICRTET-2016	Avijit Ghosh	Chemical Engineering	International Journal of Research in Engineering and	2016-2017
240	NA	NA	One-pot synthesis of nanostructured PtAu/FGP electrocatalysts for PEM fuel cell oxygen reduction reaction, 69th Annual Session of Indian Institute of Chemical Engineering Congress	CHEMCON-2016	Avijit Ghosh	Chemical Engineering	Technology Indian Institute of Chemical Engineers	2016-2017
41	2319-1163	NA	Review on Biodegradable Kitchen Waste Management	ICRTET-20216	Avijit Ghosh	Chemical Engineering	International Journal of Research in Engineering and Technology	2016-2017
242	NA	NA	Synthesis and Evaluation of Bimetallic Electrocatalyst for PEM Fuel Cell	IUMRS-ICYRAM 2016	Avijit Ghosh	Chemical Engineering	IISC Bangalore	2016-2017
243	978-93-80095-85-8	NA	Thinning of linear antenna array with Chebyshev distribution using Binary Particle Swarm Optimization	International Symposium on Antennas and Propagation APSYM 2016	Debanjali Sadhu	Electronics and Communication Engineering	Directorate of Public Relations and Publications, Cochin University of Science and Technology, Cochin	2016-2017
244	Print ISBN 978-81-322- 2654-3 Online ISBN 978-81-322-2656-7	Artificial Intelligence and Evolutionary Computations in Engineering Systems	Real-time Implementation of Electromyography for Hand Gesture Detection Using Micro Accelerometer	Proceedings of ICAIECES	Debjyoti Chowdhury	Applied Electronics and Instrumentation Engineering	Springer Nature	2016-2017
245	81-85824-46-0	CCSN 2016 (Volume I)	Fuzzy-Based Dynamic Set-Point Weighting Technique for Adaptive Fuzzy PI Controller	International Conference on 'Computing Communication and Sensor Network(CCSN2016)	Indrajit Naskar	Applied Electronics and Instrumentation Engineering	Wix.com	2016-2017
246	978-1-138-02983-5	NA	Quantized Conductance Characteristics of Nano-MESFET under Optical Illumination	International Conference on Computational Science & Engineering (ICCSE)	Kasturi Mukherjee	Electronics and Communication Engineering	CRC Press, Taylor & Francis	2016-2017
247	1877-7058	Procedia engineering, Volume 173	Geometrically nonlinear first ply failure loads of laminated composite conoidal shells	11 th International Symposium on Plasticity and Impact Mechanics, Implast 2016		Civil Engineering	Elsevier	2016-2017
248	978-3-319-21671-3	Next Generation Sensors and Systems, Smart Sensors, measurement and Instrumentation	Monitoring of the Lung Fluid Movement and Estimation of Lung Area Using Electrical Impedance Tomography	Int. Conf. of Sensing Technology	Madhurima Chattopadhyay	Applied Electronics and Instrumentation Engineering	Springer International Publishing Switzerland.	2016-2017
249	978-93-80221-00-7	Physics (Vol 2)	NA NA	NA	Nirmalya Prasun Nayak	Physics	Matrix Educare Pvt.	2016-2017
:50	978-93-80221-00-7	Engineering Physics (Vol-1)	NA	NA	Nirmalya Prasun Nayak	Physics	Matrix Educare Pvt.	2016-2017
251	9781450342179	NA	Detecting Community Structures in Social Networks by Graph Sparsification	CODS '16: Proceedings of the 3rd IKDD Conference on Data Science, 2016	Partha Basuchowdhuri	Computer Science and Engineering	CODS '16: Proceedings of the 3rd IKDD Conference on Data Science, 2016	2016-2017
252	978-81-322-2653-6	Advanced Computing and Systems for	An Algorithm to Solve 3D Guard Zone	Advances in Intelligent Systems	Piyali Datta	Computer Science and Engineering	Springer	2016-2017
253	978-81-322-2653-6	Security Advances in Intelligent Systems and Computing, Springer	"Anomaly Detection and Three Anomalous Coins Problem"	and Computing, Springer Advanced Computing and Systems for Security	Piyali Datta	Computer Science and Engineering	Springer	2016-2017
254	2214-7853	Materials Today : Proceedings, Volume 3, Issue 10, Part A		International Conference on Advances in Bioprocess Engineering and Technology 2016 (ICABET 2016)	Riddhi Goswami	Biotechnology	Elsevier	2016-2017
255	978-1-5090-3561-8	VLSI-SoC	Power-aware test optimization for core-based 3D-SOCs under TSV- constraints	2016 IFIP/IEEE International Conference on Very Large Scale Integration, VLSI-SoC 2016	Sabyasachi Banerjee	Computer Science and Engineering	IEEE	2016-2017
256	978-1-5090-3257-0	NA	Computer aided technique for Epilepsy classification using cross wavelet transform and RBF-kernel based support vector machine	2016 2nd International Conference on Next Generation Computing Technologies (NGCT)	Saibal Dutta	Electrical Engineering	IEEE	2016-2017
257	978-93-86171-12-2	NA	ECG BEAT CLASSIFICATION USING CROSS-WAVELET AND LVQ	5th International Conference on Recent trends in Engineering, Science & Management.	Saibal Dutta	Electrical Engineering	ICRTESM-16	2016-2017
258	978-1-5090-1048-6	Conference	An ensemble based missing value estimation in DNA microarray using artificial neural network	2016 Second International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	Saikat Bandopadhyay	Computer Science and Engineering	IEEE Xplore	2016-2017
159	978-1-5090-2030-0	Conference	An improved fuzzy based approach to impute missing values in DNA microarray gene expression data with collaborative filtering	2016 International Conference on Advances in Computing, Communications and Informatics (ICACCI)	Saikat Bandopadhyay	Computer Science and Engineering	IEEE Xplore	2016-2017
160	978-3330343870	Invex Functions and Optimization: On Infinite Dimensional Spaces	NA NA	NA NA	Sandip Chatterjee	Mathematics	LAP LAMBERT Academic Publishing	2016-2017
261	978-1-138-03157-9	Hybrid VNKKFA-SLFN classifier for improved pattern classification	Hybrid VVRKFA-SLFN classifier for improved pattern classification	Proceedings of the International Conference on Advancement of Computer Communication and Electrical Technology (ACCET 2016), West Bengal, India, 21-22 October 2016	Santanu Ghorai	Applied Electronics and Instrumentation Engineering	Taylor & Francis Group	2016-2017
262	Electronic ISBN:978-1- 4673-7666-2		Kernel-based feature extraction for patient-adaptive ECG beat classification	The Proceedings of 2016 International Conference on Systems in Medicine and Biology (ICSMB)	Santanu Ghorai	Applied Electronics and Instrumentation Engineering	IEEE	2016-2017
263	Electronic ISBN:978-1- 5090-2638-8	NA .	SVD based tea quality prediction using electronic tongue signal	The proceedings of International Conference on Intelligent Control Power and Instrumentation (ICICPI)	Santanu Ghorai	Applied Electronics and Instrumentation Engineering	IEEE	2016-2017
264	978-984-34-0780-1	Education in the Current World: Pedagogy, Research and Social Change	"Gender Studies: Problematics of Pedagogy in Theory and Praxis"	((ICICPI) Education in the Current World: Pedagogy, Research and Social Change	Saptaparna Roy	Humanities	Dhaka: Center for Pedagogy (CP), Independent University, Bangladesh (IUB)	2016-2017
265	1757-899X	IOP Conference Series: Materials Science and Engineering, Volume 149	Free vibration analysis of axially functionally graded linearly taper beam on elastic foundation	International Conference on Advances in Materials and Manufacturing Applications (IConAMMA-2016)	Sarmila Sahoo	Civil Engineering	IOP Publishing Ltd	2016-2017

266	1742-6588	Journal of Physics: Conference Series, Volume 738	Free vibration of laminated composite stiffened hyperbolic paraboloid shell panel with cutout	5th International Conference on Mathematical Modeling in Physical Sciences (IC-MSquare 2016)	Sarmila Sahoo	Civil Engineering	IOP Publishing Ltd	2016-2017
267	2165-4743	NA	Radiation from simple and perturbed arbitrarily curved microstrip lines	Asia Pacific Microwave Conference (APMC)	Sayantan Dhar	Electronics and Communication Engineering	IEEE	2016-2017
268	978-1-5090-4620-1	NA	A new concept for 4G LTE and its design approaches, deployment challenges and solutions (Metrocell in 4G LTE)	IEEE International Conference on Processing, Communication, Power and Embedded System (SCOPES)	Siladitya Sen	Electronics and Communication Engineering	IEEE	2016-2017
269	978-1-5090-2769-9	NA	A Community-Driven Information System to Develop Next Generation Collaborative and Responsive Rural Community (NCoRe)	2016 ITU Kaleidoscope: ICTs for a Sustainable World (ITU WT)	Siuli Roy	Computer Applications	IEEE	2016-2017
270	9781450340328	NA	A human mobility based knowledge sharing approach for post disaster need assessment using DTN	Proceedings of the 17th International Conference on Distributed Computing and Networking	Siuli Roy	Computer Applications	Association for Computing Machinery New York, NY, United States	2016-2017
271	Electronic ISBN:978-1- 4673-9622-6 USB ISBN:978-1-4673- 9621-9	NA	Best-effort delivery of emergency messages in post-disaster scenario with content-based filtering and Priority-enhanced PROPHET over DTN	2016 8th International Conference on Communication Systems and Networks (COMSNETS)	Siuli Roy	Computer Applications	IEEE	2016-2017
272	ISBN: 9781450348393	NA	Exploring the Impact of Connectivity on Dissemination of Post Disaster Siuational Data over DTN	Proceedings of the 18th International Conference on Distributed Computing and Networking (ICDCN 2017)	Siuli Roy	Computer Applications	Association for Computing Machinery, New York, NY, United States	2016-2017
273	ISBN 978-84-608- 7984-8	NA	Post-disaster Situational Analysis from WhatsApp Group Chats of Emergency Response Providers	Proceedings of the 13th International Conference on Information Systems for Crisis Response and Management	Siuli Roy	Computer Applications	ISCRAM publications	2016-2017
274	81-85824-46-0	NA	Trust Based Security Model (TSM) for Opportunistic Networks	IEEE-EDS Kolkata Chapter Sponsored 5th International Conference on Computing, Communication and Sensor Network	Smritikona Barai	Computer Science and Engineering	IEEE	2016-2017
275	ISSN: 2214-7853	Materials Today Proceedings	Establishment of a simple reproducible model for antibiotic sensitivity pattern study of biofilm forming Staphylococcus aureus	Materials Today Proceedings	Soma Banerjee	Biotechnology	Elsevier Ltd.	2016-2017
276	2214-7853	Materials Today : Proceedings, Volume 3, Issue 10, Part A	Novel design of pneumatic based bio- printing device	International Conference on Advances in Bioprocess Engineering and Technology 2016 (ICABET 2016)	Somenath Chatterjee	Chemical Engineering	Elsevier	2016-2017
277	9780367737184	Foundations and Frontiers in Computer, Communication and Electrical Engineering	Synthesis of linear array antenna of a large number of elements using Restricted Search Particle Swarm Optimization	Proceedings of the 3rd International Conference on Foundations and Frontiers in Computer, Communication and Electrical Engineering, 2016 (C2E2 2016)	Soumyo Chatterjee	Electronics and Communication Engineering	CRC	2016-2017
278	2214-7853	Materials Today : Proceedings, Volume 3, Issue 10, Part A	Kinetic modeling and factorial design for co-biodegradation of phenol and m cresol for aerobic batch reactor system	International Conference on Advances in Bioprocess Engineering and Technology 2016 (ICABET 2016)	Sudipta Dey	Biotechnology	Elsevier	2016-2017
279	978-1-5090-1047-9	NA	An Ensemble Based Missing Value Estimation In DNA Microarray Using Artificial Neural Network	2016 Second International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	Sujay Saha	Computer Science and Engineering	IEEE	2016-2017
280	978-93-80221-01-4	Engineering Mechanics (Latest edition)	Not applicable	Not Applicable	Sukanta Sarkar	Mechanical Engineering	Matrix Educare 231/A, C.R. Avenue, Kolkata-700 006	2016-2017
281	978-93-80221-21-2	Engineering Thermodynamics & Fluid Mechanics (Latest edition)	Not Applicable	Not Applicable	Sukanta Sarkar	Mechanical Engineering	Matrix Educare 231/A, C.R. Avenue, Kolkata-700 006	2016-2017
282	978-93-80221-45-8	Thermal Power Engineering (Latest edition)	Not Applicable	Not Applicable	Sukanta Sarkar	Mechanical Engineering	Matrix Educare 231/A, C.R. Avenue, Kolkata-700 006	2016-2017
283	22147853	NA	Novel design of pneumatic based bio- printing device	Materials Today: Proceedings	Sulagna Chatterjee	Chemical Engineering	Elsevier	2016-2017
284	NA	2016 Second IEEE International Conference on Research in Computational Intl. and Communication Network	An Optimal Genome Reassembling technique by Artificial Bees system for small genome sequences	IEEE, ICRCICN	Susobhan Baidya	Computer Science and Engineering	IEEE	2016-2017
285	978-981-10-7901-6	Advances in Communication, Devices and Networking,	Modeling of Lead-Free CH3NH3Snl3- Based Perovskite Solar Cell Using ZnO as ETL	Proceedings of ICCDN 2017	Tapas Chakrabarti	Electronics and Communication Engineering	Springer Nature Singapore Pte Ltd. 2018	2016-2017
286	978-93-85503	Relevance of Dr. B. R. Ambedkar for Inclusive Development in India	Efficient Moving Least Squares Approach in Probabilistic Robust Structural Optimization	Relevance of Dr. B. R. Ambedkar for Inclusive Development in India	Tushar Das	Civil Engineering	New Delhi Publishers	2016-2017