LIS Bulletin Nov 20-Jan 21

Volume 8 Number 11&12 Volume 9 Number 01 ISSN: 2309-5032

Table of contents

• News of the month 2 Journals' contents 4 Index of Articles 11 New arrivals 23 News clippings 25 Contact Information 30





Library Information Services COMSATS University Islamabad, Lahore Campus. Defense Road, Off Raiwind Road Lahore Tel: 042-111-001-007, Ext. 855. Email: <u>librarycuilahore@cuilahore.edu.pk</u> <u>https://lahore.comsats.edu.pk/library/</u>

News of the month



Visit of NCEAC

A Delegation of National Computing Education Accreditation Council (NCEAC) visited the Library Information Service CUI Lahore on November 11, 2020. Dr. Muhammad Tariq, Incharge library welcomed and briefed the delegates about library resources and services. The Delegation of NCEAC also visited different sections of the library and admired the services and infrastructure that are being provided to the users.

Birthdays Celebrations

Library and Information services staff celebrated the birthdays of Miss. Nasira Munir, Akhtar Abbas, Muhammad Moaz and Jahanzaib Imtiaz in the months of November, December, and January respectively. Special arrangements were made for the celebrations. All participants wished them a healthy life, prosperity and best of luck in their future endeavors.







Fish Party

As per tradition, the staff of the Library Information Services CUI Lahore campus arranged the seasonal fish party on January 27, 2021. The fish party was held at Haveli Restaurant, Food Street Lahore near Badshahi Mosque. All Library staff participated and enjoy the fish party. This was the real networking and social gathering which ultimately have positive impacts on work efficiency.



Journals Table of contents

IEEE Transactions on Communications

December 2019 VOLUME 68 NU

NUMBER 7 (ISSN 0090-6778)

Full text of all issues can be a accessed through the following link

https://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=909427 0&punumber=26

A Distributed Low-Complexity Coding Solution for Large-Scale Distributed FFT . A. Yazdanialahabadi and M. Ardakani 6617

Zigzag Decodable Online Fountain Codes With High Intermediate Symbol Recovery Rates . . P. Shi, Z. Wang, D. Li, and W. Xiang 6629

New GRP LDPC Codes for H-ARQ-IR Over the Block Fading Channel C. Kim, S.-H. Kim, and J.-S. No 6642 Design of Short Polar Codes for SCL Decoding . V. Miloslavskaya and B. Vucetic 6657

Enhanced Quasi-Maximum Likelihood Decoding Based on 2D Modifified Min-Sum Algorithm for 5G LDPC Codes P. Kang, Y. Xie, L. Yang, and J. Yuan 6669

Error Propagation Mitigation in Sliding Window Decoding of Braided Convolutional Codes M. Zhu, D. G. M. Mitchell, M. Lentmaier, D. J. Costello, Jr., and B. Bai 6683

Improved Belief Propagation Polar Decoders With Bit-Flipping Algorithms . Y. Shen, W. Song, H. Ji, Y. Ren, C. Ji, X. You, and C. Zhang 6699

Randomized Polar Subcodes With Optimized Error Coeffificient . P. Trifonov 6714

Two Classes of Binary MDS Array Codes With Asymptotically Optimal Repair for Any Single Column . H. Hou, Y. S. Han, and P. P. C. Lee 6723

Cellular Networks P. Húu, M. A. Arfaoui, S. Sharafeddine, C. M. Assi, and A. Ghrayeb 6737 NOMA-Based Coordinated Direct and Relay Transmission With a Half-Duplex/Full-Duplex Relay X. Pei, H. Yu, M. Wen, S. Mumtaz, S. Al Otaibi, and M. Guizani 6750

Information Theory New Capacity Results for Fading Gaussian Multiuser Channels With Statistical CSIT P.-H. Lin, E. A. Jorswieck, R. F. Schaefer, M. Mittelbach, and C. R. Janda 6761

Beyond Dirty Paper Coding for Multi-Antenna Broadcast Channel With Partial CSIT: A Rate-Splitting Approach . Y. Mao and B. Clerckx 6775

E			
<u> </u>			_
Same		- Incore and	12
Contraction of the local division of the loc			
-			
-			
ATT	_		
			-
-		-	_
	1.107.4	-	23
and the second second			

Machine Learning and Communications

End-to-End Wireless Path Deployment With Intelligent Surfaces Using Interpretable Neural Networks C. Liaskos, S. Nie, A. Tsioliaridou, A. Pitsillides, S. Ioannidis, and I. Akyildiz 6792

Cooperative Internet of UAVs: Distributed Trajectory Design by Multi-Agent Deep Reinforcement Learning . J. Hu, H. Zhang, L. Song, R. Schober, and H. V. Poor 6807

Learning to Communicate and Energize: Modulation, Coding, and Multiple Access Designs for Wireless Information-Power Transmission M. Varasteh, J. Hoydis, and B. Clerckx 6822

Communication-Effificient Massive UAV Online Path Control: Federated Learning Meets Mean-Field Game Theory (Invited Paper) H. Shiri, J. Park, and M. Bennis 6840

Generalized Space Time Block Coded Spatial Modulation for Open-Loop Massive MIMO Downlink Communication Systems . L. Xiao, D. Chen, I. Hemadeh, P. Xiao, and T. Jiang 6858

Enhanced Channel Estimation in Massive MIMO via Coordinated Pilot Design . K. Shen, H. V. Cheng, X. Chen, Y. C. Eldar, and W. Yu 6872 Second-Order Statistics-Based Semi-Blind Techniques for Channel Estimation in Millimeter-Wave MIMO Analog and Hybrid Beamforming . P. Singh, S. Srivastava, A. K. Jagannatham, and L. Hanzo 6886

Feedback-Based SSK Modulation: Constellation Design and Performance Results . . U. Singh, M. R. Bhatnagar, and T. A. Tsiftsis 6902

Triangular Non-Orthogonal Random Access in mMIMO Systems . J. Ding and J. Choi 6918

MIMO-NOMA Networks Relying on Reconfifigurable Intelligent Surface: A Signal Cancellation-Based Design . . T. Hou, Y. Liu, Z. Song, X. Sun, and Y. Chen 6932

Dual-Ascent Inspired Transmit Precoding for Evolving Multiple-Access Spatial Modulation . Y. Cao, T. Ohtsuki, and T. Q. S. Quek 6945

On the Complexity Reduction of Uplink Sparse Code Multiple Access for Spatial Modulation . I. Al-Nahhal, O. A. Dobre, and S. Ikki 6962

Time-Dependent Pricing for Bandwidth Slicing Under Information Asymmetry and Price Discrimination . Z. Zhou, B. Wang, B. Gu, B. Ai, S. Mumtaz, J. Rodriguez, and M. Guizani 6975

A Game of Drones: Cyber-Physical Security of Time-Critical UAV Applications With Cumulative Prospect Theory Perceptions and Valuations A. Sanjab, W. Saad, and T. Ba,sar 6990

Cache-Enabled HetNets With Limited Backhaul: A Stochastic Geometry Model . C. Fan, T. Zhang, Y. Liu, and Z. Zeng 7007

Enhancing Schedulability and Throughput of Time-Triggered Traffific in IEEE 802.1Qbv Time-Sensitive Networks . M. Vlk, Z. Hanzálek, K. Brejchová, S. Tang, S. Bhattacharjee, and S. Fu 7023

Competition Analysis of Diverse Request-Aware Packet Caching Policy for D2D Communication . K. Wu, L. Zhao, M. Jiang, X. Huang, and Y. Qian 7039

Optimization for Signal Transmission and Reception in a Macrocell of Heterogeneous Uplinks and Downlinks H. Yu, H. D. Tuan, T. Q. Duong, H. V. Poor, and Y. Fang7054

Online Spatiotemporal Popularity Learning via Variational Bayes for Cooperative Caching . S. Mehrizi, S. Chatterjee, S. Chatzinotas, and B. Ottersten 7068

Effect of Spatial and Temporal Traffific Statistics on the Performance of Wireless Networks G. Wang, Y. Zhong, R. Li, X. Ge, T. Q. S. Quek, and G. Mao 7083

Optical Communication Absolute Value Layered ACO-OFDM for Intensity-Modulated Optical Wireless Channels . R. Bai and S. Hranilovic 7098

Channel Impulse Analysis of Light Propagation for Point-to-Point Nano Communications Through Cortical Neurons S. Wirdatmadja, J. M. Jornet, Y. Koucheryavy, and S. Balasubramaniam 7111

Physical Layer Security Physical Layer Security in D2D Underlay Cellular Networks With Poisson Cluster Process . . J. Lyu, H.-M. Wang, and K.-W. Huang 7123.

IEEE Transactions on wireless Communications

Full text of all issues can be a accessed through the following link https://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=9256393&p unumber=7693



Energy-Effificient Joint User Association and Power Allocation in a Heterogeneous Network Fang Fang, Guanshan Ye, Haijun Zhang, Julian Cheng, and Victor C.M. Leung 7008

A Secure Group-Oriented Device-to-Device Authentication Protocol for 5G Wireless Networks Zhengyi Shang, Maode Ma, and Xiaohong Li 7021

Interference Avoidance Position Planning in Dual-Hop and Multi-Hop UAV Relay Networks .. Seyyedali Hosseinalipour, Ali Rahmati, and Huaiyu Dai 7033

Deep Learning for Optimal Deployment of UAVs With Visible Light Communications Yining Wang, Mingzhe Chen, Zhaohui Yang, Tao Luo, and Walid Saad 7049

Max-Min Energy Balance in Wireless-Powered Hierarchical Fog-Cloud Computing Networks . Jingxian Liu, Ke Xiong, Derrick Wing Kwan Ng, Pingyi Fan, Zhangdui Zhong, and Khaled Ben Letaief 7064

Joint Antenna Detection and Bayesian Channel Estimation for Non-Coherent User Terminals . Ema Becirovic, Emil Björnson, and Erik G. Larsson 7081

Secure Cooperative Hybrid VLC-RF Systems .. Gaofeng Pan, Jia Ye, Chao Zhang, Jianping An, Hongjiang Lei, Zhiguo Ding, and Mohamed Slim Alouini 7097

Multi-Armed Bandit-Based Client Scheduling for Federated Learning . Wenchao Xia, Tony Q. S. Quek, Kun Guo, Wanli Wen, Howard H. Yang, and Hongbo Zhu 7108

Predicting Device-to-Device Channels From Cellular Channel Measurements: A Learning Approach .. Mehyar Najla, Zdenek Becvar, Pavel Mach, and David Gesbert 7124

Flexible Subcarrier Allocation for Interleaved Frequency Division Multiple Access Yulin Shao and Soung Chang Liew 7139

Trajectory Design and Power Allocation for Drone-Assisted NR-V2X Network With Dynamic NOMA/OMA Omid Abbasi, Halim Yanikomeroglu, Afshin Ebrahimi, and Nader Mokari Yamchi 7153

Preamble-Based Channel Estimation for OQAM/FBMC Systems With Delay Diversity . Wenfeng Liu, Stefan Schwarz, Markus Rupp, Da Chen, and Tao Jiang 7169

Relay Selection, Scheduling, and Power Control in Wireless-Powered Cooperative Communication Networks .. . Aysun Gurur Onalan, Elif Dilek Salik, and Sinem Coleri 7181 Distributed Pareto Optimal Beamforming for the MISO Multi-Band Multi-Cell Downlink . Vishnu Narayanan Moothedath and Srikrishna Bhashyam 7196

Minimum-Latency FEC Design With Delayed Feedback: Mathematical Modeling and Effificient Algorithms . . Xiaoli Xu, Yong Zeng, Yonghui Li, and Branka Vucetic 7210

How Can Randomized Routing Protocols Hide Flow Information in Wireless Networks? .. Shangqing Zhao, Zhuo Lu, and Cliff Wang 7224

Urgency of Information for Context-Aware Timely Status Updates in Remote Control Systems . . Xi Zheng, Sheng Zhou, and Zhisheng Niu 7237

Network-Coded Cooperative Systems With Generalized User-Relay Selection . . Ali Reza Heidarpour, Masoud Ardakani, Chintha Tellambura, Marco Di Renzo, and Murat Uysal 7251 Aggregated VLC-RF Systems: Achievable Rates, Optimal Power Allocation, and Energy Effificiency . .. Shuai Ma, Fan Zhang, Hang Li, Fuhui Zhou, Mohamed-Slim Alouini, and Shiyin Li 7265

Energy-Effificient Data Uploading for Cellular-Connected UAV Systems . Cheng Zhan and Yong Zeng 7279

Machine Intelligence at the Edge With Learning Centric Power Allocation . Shuai Wang, Yik-Chung Wu, Minghua Xia, Rui Wang, and H. Vincent Poor 7293

Backscatter-Aided Cooperative Transmission in Wireless-Powered Heterogeneous Networks . Sung Hoon Kim, Sung Yon Park, Kae Won Choi, Tae-Jin Lee, and Dong In Kim 7309

Air-to-Air Communications Beyond 5G: A Novel 3D CoMP Transmission Scheme Yan Li, Nikolaos I. Miridakis, Theodoros A. Tsiftsis, Guanghua Yang, and Minghua Xia 7324

Power Control Optimization for Large-Scale Multi-Antenna Systems Zhenyu Zhou, Haijun Yu, Shahid Mumtaz, Saba Al-Rubaye, Antonios Tsourdos, and Rose Qingyang Hu 7339

Super-Mode OFDM With Index Modulation Ali Tugberk Dogukan and Ertugrul Basar 7353

Wireless Networks With Cache-Enabled and Backhaul-Limited Aerial Base Stations Elham Kalantari, Halim Yanikomeroglu, and Abbas Yongacoglu 7363

Evolution Matters: Content Transmission in Evolving Wireless Social Networks . . Chen Feng, Luoyi Fu, Xudong Wu, Xiaoying Gan, Xinbing Wang, Guihai Chen, and Jun Xu 7377

Joint Spatial Division and Multiplexing in Massive MIMO: A Neighbor-Based Approach .. . Yunchao Song, Chen Liu, Yiliang Liu, Nan Cheng, Yongming Huang, and Xuemin Shen 7392

Dictionary Learning for Channel Estimation in Hybrid Frequency-Selective mmWave MIMO Systems . .. Hongxiang Xie and Nuria González-Prelcic 7407

On the Performance of HARQ Protocols With Blanking in NOMA Systems . Zeina Mheich, Wenjuan Yu, Pei Xiao, Atta Ul Quddus, and Amine Maaref 7423

Analog Self-Interference Cancellation Using Auxiliary Transmitter Considering IQ Imbalance and Amplififier Nonlinearity .. Takahisa Fukui, Kazuki Komatsu, Yuichi Miyaji, and Hideyuki Uehara 7439 Signal and System Design for Wireless Power Transfer: Prototype, Experiment and Validation . . Junghoon Kim, Bruno Clerckx, and Paul D. Mitcheson 7453

Cache-Enabling UAV Communications: Network Deployment and Resource Allocation . . Tiankui Zhang, Yi Wang, Yuanwei Liu, Wenjun Xu, and Arumugam Nallanathan 7470

Multi-Antenna Coded Content Delivery With Caching: A Low-Complexity Solution .. . Junlin Zhao, Mohammad Mohammadi Amiri, and Deniz Gündüz 7484

Optimized Power Control for Over-the-Air Computation in Fading Channels Xiaowen Cao, Guangxu Zhu, Jie Xu, and Kaibin Huang 7498

LRT Detectors for Spectrum Sensing of Weak OFDM Signals With Periodic Pilots Wenshan Yin, Hao Chen, Datong Xu, and Yang Yang 7514 A Stochastic Optimization Framework for Channel Bonding in Wireless LANs Under Demand Uncertainty . Amr Nabil, Mohammad J. Abdel-Rahman, Allen B. MacKenzie, and Fahid Hassan 7528

Enhancing Secure MIMO Transmission via Intelligent RefIflecting Surface Limeng Dong and Hui-Ming Wang 7543

Set Partition Modulation .. Ferhat Yarkin and Justin P. Coon 7557

Learning to Search for MIMO Detection .. Jianyong Sun, Yiqing Zhang, Jiang Xue, and Zongben Xu 7571

The Max-Product Algorithm Viewed as Linear Data-Fusion: A Distributed Detection Scenario . Younes Abdi and Tapani Ristaniemi 7585

Effificient Scheduling for the Massive Random Access Gaussian Channel . Gustavo Kasper Facenda and Danilo Silva 7598 Cyclic Block-Spreading Direct Discovery for D2D Networks . Wenson Chang and Hua Kang 7610

Accommodating LAA Within IEEE 802.11ax WiFi Networks for Enhanced Coexistence .. Qimei Chen and Zhi Ding 7621

Partial Non-Orthogonal Multiple Access (NOMA) in Downlink Poisson Networks . . Konpal Shaukat Ali, Ekram Hossain, and Md. Jahangir Hossain 7637

Fundamentals of Acute Relay CSI Severity Khoa N. Le 7653

Cooperative Spectrum Sensing Optimization in Energy-Harvesting Cognitive Radio Networks Xiaoying Liu, Kechen Zheng, Kaikai Chi, and Yi-Hua Zhu 7663

Load-Driven Dynamic User Assignment Algorithms for Dense Cellular Networks . Bart Post and Sem Borst 7677

Scheduling for Cellular Federated Edge Learning With Importance and Channel Awareness . Jinke Ren, Yinghui He, Dingzhu Wen, Guanding Yu, Kaibin Huang, and Dongning Guo 7690

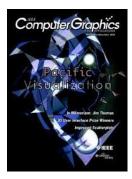
Radar-Assisted Predictive Beamforming for Vehicular Links: Communication Served by Sensing Fan Liu, Weijie Yuan, Christos Masouros, and Jinhong Yuan 7704

Side-Information Aided Compressed Multi-User Detection for Up-Link Grant-Free NOMA Yupeng Cui, Wenbo Xu, Yue Wang, Jiaru Lin, and Liyang Lu 7720

Unifified Performance Analysis of Multi-Hop FSO Systems Over Double Generalized Gamma Turbulence Channels With Pointing Errors .. Behnam Ashrafzadeh, Amir Zaimbashi, Ehsan Soleimani-Nasab, and Murat Uysal 7732

IEEE Computer graphics and applications

November/December 2020 Volume 40 Number 6



Hinking With Things: Landscapes, Connections, and Performances as Modes of Building Shared Understanding Dan Lockton, Laura Forlano, John Fass, and Lisa Brawley 51

ata Badges: Making an Academic Profifile Through a DIY Wearable Physicalization Georgia Panagiotidou, Sinem Andrew Vande Moere 61

The Value of Kinaesthetic Experience in a Casual Data Representation orn Hurtienne, Franzisca Maas, Astrid Carolus, Daniel Reinhardt, Cordula Baur, and Carolin Wienrich

About the Cover by Valley Viz 05 Cartographic Design of Cultural Maps Edyta Paulina Bogucka, Marios Constantinides, Luca Maria Aiello, Daniele Quercia, Wonyoung So, and Melanie Bancilhon People in Practice 12

Designing Technology for Sociotechnical Problems: Challenges and Considerations Narges Mahyar, Mahmood Jasim,

and Ali Sarvghad Visualization Viewpoints 76

Challenges in Evaluating Interactive Visual Machine Learning Systems N. Boukhelifa, A. Bezerianos, R. Chang, C. Collins, S. Drucker, A. Endert, J. Hullman, C. North and M. Sedlmair Also in this Issue Masthead 88

Index of articles

1. Agriculture

Author	Title	Newspaper	Date
Dr Farrukh Saleem	Playing with fire	The News	January 31, 2021
Dr Farrukh Saleem	Xi Jinping Thought	The News	January 24, 2021
Dr Farrukh Saleem	Course correction	The News	January 17, 2021
Dr Farrukh Saleem	Consensus on agriculture	The News	January 10, 2021
Dr Farrukh Saleem	Real issues	The News	December 27, 2020
Dr Farrukh Saleem	Ground realities	The News	December 20, 2020
Dr Farrukh Saleem	The China model	The News	November 15, 2020
Dr Farrukh Saleem	Vacuum	The News	November 8, 2020

2. Current Affairs

Author	Title	Newspaper	Date
Dr Naazir Mahmood,	Prof Tausif on journalism - Part I	The News	November 1, 2020
Dr Naazir Mahmood,	Prof Tausif on journalism: Part - II	The News	November 2, 2020
Dr Naazir Mahmood,	What we learn from Saleem Asmi	The News	November 8, 2020
Dr Naazir Mahmood,	Writing Balochistan	The News	November 15, 2020
Dr Naazir Mahmood,	China, Japan and the RCEP: Part - I	The News	November 23, 2020
Dr Naazir Mahmood,	China, Japan and the RCEP - Part II	The News	November 24, 2020
Dr Naazir Mahmood,	A renaissance man	The News	November 29, 2020

Dr Naazir Mahmood,	Balochistan: Bizenjos and Jamalis	The News	December 6, 2020
	-	The News	December 0, 2020
Dr Naazir Mahmood,	Two promising institutions - Part I	The News	December 13, 2020
Dr Naazir Mahmood,	Two promising institutions: Part - II	The News	December 14, 2020
Dr Naazir Mahmood,	Crisis of dictatorship: Part - I	The News	December 21, 2020
Dr Naazir Mahmood,	Crisis of dictatorship - Part II	The News	December 22, 2020
Dr Naazir Mahmood,	One Unit and Sindh - Part I	The News	December 27, 2020
Dr Naazir Mahmood,	One Unit and Sindh: Part - II	The News	December 28, 2020
Ghazi Salahuddin	Betrayed by the elite	The News	January 24, 2021
Ghazi Salahuddin	Signposts to 2021	The News	January 3, 2021
Ghazi Salahuddin	Ask no questions	The News	November 1, 2020
Ghazi Salahuddin	A virus within us	The News	November 8, 2020
Ghazi Salahuddin	Not a laughing matter, this	The News	November 15, 2020
Ghazi Salahuddin	A tryst in Peshawar	The News	November 22, 2020
Ghazi Salahuddin	Covid-19's primary lessons	The News	November 29, 2020
Ghazi Salahuddin	Grief in the time of pandemic	The News	December 13, 2020
Ghazi Salahuddin	A dialogue too far	The News	December 20, 2020
Ghazi Salahuddin	Sorry scheme of things	The News	December 27, 2020

3.	Culture/Society/Women

Author	Title	Newspaper	Date
Ghazi Salahuddin	Ask no questions	The News	November 1, 2020
Ghazi Salahuddin	A virus within us	The News	November 8, 2020
Ghazi Salahuddin	Not a laughing matter, this	The News	November 15, 2020
Ghazi Salahuddin	A tryst in Peshawar	The News	November 22, 2020
Ghazi Salahuddin	Covid-19's primary lessons	The News	November 29, 2020
Ghazi Salahuddin	Grief in the time of pandemic	The News	December 13, 2020
Ghazi Salahuddin	A dialogue too far	The News	December 20, 2020
Ghazi Salahuddin	Sorry scheme of things	The News	December 27, 2020
Ghazi Salahuddin	Betrayed by the elite	The News	January 24, 2021
Ghazi Salahuddin	Yearning for compassion	The News	January 10, 2021

4. Economics/Business

Author	Title	Newspaper	Date
Dr Farrukh Saleem	Playing with fire	The News	January 31, 2021
Dr Farrukh Saleem	Xi Jinping Thought	The News	January 24, 2021
Dr Farrukh Saleem	Beijing Consensus	The News	January 10, 2021
Dr Farrukh Saleem	Ground realities	The News	December 20, 2020
Dr Farrukh Saleem	Propaganda war	The News	December 13, 2020
Dr Farrukh Saleem	China vs US	The News	December 6, 2020

Dr Farrukh Saleem	Hybrid war	The News	November 22, 2020
Khalid Bhatti	Elections in Myanmar	The News	November 28, 2020
Khalid Bhatti	Decline of social democracy	The News	January 29, 2021

5. <u>History</u>

Author	Title	Newspaper	Date
Dr Naazir Mahmood,	Prof Tausif on journalism - Part I	The News	November 1, 2020
Dr Naazir Mahmood,	Prof Tausif on journalism: Part - II	The News	November 2, 2020
Dr Naazir Mahmood,	What we learn from Saleem Asmi	The News	November 8, 2020
Dr Naazir Mahmood,	Writing Balochistan	The News	November 15, 2020
Dr Naazir Mahmood,	China, Japan and the RCEP: Part - I	The News	November 23, 2020
Dr Naazir Mahmood,	China, Japan and the RCEP - Part II	The News	November 24, 2020
Dr Naazir Mahmood,	A renaissance man	The News	November 29, 2020
Dr Naazir Mahmood,	Two promising institutions - Part I	The News	December 13, 2020
Dr Naazir Mahmood,	Two promising institutions: Part - II	The News	December 14, 2020
Dr Naazir Mahmood,	Crisis of dictatorship: Part - I	The News	December 21, 2020
Dr Naazir Mahmood,	Crisis of dictatorship - Part II	The News	December 22, 2020
Dr Naazir Mahmood,	One Unit and Sindh - Part I	The News	December 27, 2020
Dr Naazir Mahmood,	One Unit and Sindh: Part - II	The News	December 28, 2020

6. International Relations

Author	Title	Newspaper	Date
Saad Rasool	What should we call them?	The Nation	November 01, 2020
Saad Rasool	The triumph of Trumpism	The Nation	November 10, 2020
Saad Rasool	A failed system?	The Nation	November 15, 2020
Saad Rasool	'Whatever the cost'	The Nation	November 29, 2020
Saad Rasool	'Whatever the cost'	The Nation	November 29, 2020
Saad Rasool	Tentacles of 5G warfare	The Nation	December 13, 2020

7. <u>Kashmir</u>

Author	Title	Newspaper	Date
Masud Ahmad Khan	Myth-busting and India	The Nation	November 02, 2020
Masud Ahmad Khan	Mainstreaming non-state actors	The Nation	November 23, 2020
Masud Ahmad Khan	New Indian doctrine	The Nation	November 30, 2020
Masud Ahmad Khan	The use of drones by Azerbaijan	The Nation	December 07, 2020
Masud Ahmad Khan	Mythbusting—the 1971 war	The Nation	December 16, 2020
Masud Ahmad Khan	Kashmir- a bleeding wound	The Nation	November 101, 2020
Masud Ahmad Khan	Khalistan movement	The Nation	January 11, 2021
Masud Ahmad Khan	Fencing the western border	The Nation	January 18, 2021
Masud Ahmad Khan	India stands exposed	The Nation	January 25, 2021
Khalid Bhatti	The real winner	The News	November 13, 2020
Khalid Bhatti	Strikes in India	The News	December 4, 2020

Khalid Bhatti	An icon of democracy	The News	December 25, 2020
Khalid Bhatti	Decline of social democracy	The News	January 29, 2021

8. Politics/International Politics

Author	Title	Newspaper	Date
Saad Rasool	What should we call them?	The Nation	November 01, 2020
Saad Rasool	The triumph of Trumpism	The Nation	November 10, 2020
Saad Rasool	A failed system?	The Nation	November 15, 2020
Saad Rasool	'Whatever the cost'	The Nation	November 29, 2020
Saad Rasool	Tentacles of 5G warfare	The Nation	December 13, 2020
Saad Rasool	Senate elections through 'open ballot'?	The Nation	December 20, 2020
Saad Rasool	Hazara killings	The Nation	January 10, 2021
Saad Rasool	Reforming the sportingstructure	The Nation	January 17, 2021
Saad Rasool	The broadsheet saga	The Nation	January 24, 2021
Dr Farid A Malik	Custodians of the House	The Nation	November 03, 2020
Dr Farid A Malik	Banning PML	The Nation	November 10, 2020
Dr Farid A Malik	Only the motivated can rise	The Nation	November 17, 2020
Dr Farid A Malik	The Foreign Minister of Iran	The Nation	November 25, 2020
Dr Farid A Malik	People must be heard	The Nation	December 01, 2020
Dr Farid A Malik	Changing the bureaucratic mndset	The Nation	December 08, 2020
Dr Farid A Malik	An old tussle	The Nation	December 15, 2020
Dr Farid A Malik	Our inhumanity as a nation	The Nation	December 22, 2020
Dr Farid A Malik	Orderly management of decline	The Nation	December 29, 2020

Dr Farid A Malik	An old slogan	The Nation	January 05, 2021
Dr Farid A Malik	Free at the cost of freedom	The Nation	January 26, 2021

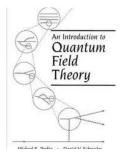
9. War and Terrorism

Author	Title	Newspaper	Date
Khalid Bhatti	Elections in Myanmar	The News	November 28, 2020
Khalid Bhatti	Decline of social democracy	The News	January 29, 2021
Dr Farid A Malik	Banning PML	The Nation	November 10, 2020
Dr Farid A Malik	An old tussle	The Nation	December 15, 2020
Dr Farid A Malik	Our inhumanity as a nation	The Nation	December 22, 2020

10. <u>Miscellaneous</u>

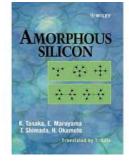
Author	Title	Newspaper	Date
Dr Ramesh Kumar Vankwani	Review of history	The News	November 13, 2020
Dr Ramesh Kumar Vankwani	Golden visa	The News	November 20, 2020
Dr Ramesh Kumar Vankwani	Regional issues	The News	November 27, 2020
Dr Ramesh Kumar Vankwani	Goodbye, Kaavan	The News	December 4, 2020
Dr Ramesh Kumar Vankwani	Protecting human rights	The News	December 11, 2020

New Arrivals



Title: An introduction to quantum field theory .

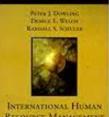
Author: Peskin, Michael Edward, Accession No: 34308



Title: Amorphous silicon

Author: K. TanakaE. MaruyamaT. ShimadaH. Okamoto

Accession No: 34309

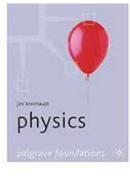


INTERNATIONAL HUMAN RESOURCE MANAGEMENT MOSCONE PICTU 973 MORTANIA COMPACT

Title: International human resource management .

Author: Peter J. DowlingDenice E. WelchRandall S. Schuler

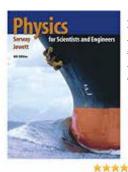
Accession No: 34310



Title: Physics

Author: Breithaupt, Jim

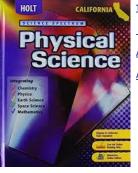
Accession No: 34311



Title: Physics for scientists and engineers .

Author: Serway, Raymond a.

Accession No: 34312



Title: Physical science .

Author: Dobson, Ken .

Accession No: 34313

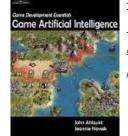
Strategic Human Resource Management

Alan R. Nankervis

<u>Title: Human Resource Management .</u>

Author: Nankervis, Alan

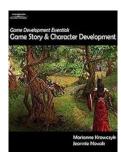
Accession No: 34314



Title: Game development essentials .

Author: Muehl, WiliamJeannie Novak .

Accession No: 34315



Title: Game development essentials .

Author: Krawczyk, Marianne .

Accession No: 34316



Title: Programming video games for the evil genius

Author: Cinnamon, Ian. _

Accession No: 34317

Gerard O'Regan Concise Guide to Formal Methods Theory, Fundamentali and Industry Applications Title: Concise guide to formal methods

Author: Gerard O Regan

Accession No: 34318



Title: Formal methods in computer science .

.

Author: Jiacun Wang

Accession No: 34319

News Clippings

Title: EDUCATION INSTITUTES NOT TO BE CLOSED YET

Source: City42, P.01 Dated: December 03, 2020 Weblink: N/A



Title:	HEC GIVES VARSITIES FREE HAND TO CONDUCT EXAMS	
Source:	Dawn, P.04; Jung P.12; City42 P.01	
Dated:	January 28, 2021	
Weblink:	https://epaper.dawn.com/DetailNews.php?StoryText=28_01_2021_004_	003

https://e.jang.com.pk/01-28-2021/lahore/pic.asp?picname=1046.png

HEC gives varsities free hand to conduct exams

Says it has noted concerns of students; minister satisfied with commission's decision

By Kashif Abbasi

ISLAMABAD: The Higher Education Commission (HEC) has asked the universities to decide on their own the model under which they would want to conduct examinations.

The HEC and university authorities met for two days to sort out the ongoing controversy on holding of exams.

Students of various educational institutions have been protesting for the last several days, demanding that the exams be held online and not on campuses.

"The HEC has already allowed universities to use their discretion to conduct exams, either on-campus or online, as long as the chosen mode provides a fair assessment of the students' performance," read a press release issued by the commission on Wednesday.

Following directives of Education Minister Shafqat Mahmood, the HEC had convened virtual meetings of vice chancellors on Tuesday and Wednesday to discuss the issue.

"Some students are demanding that their exams be held online as they had been taking classes online. This is a decision for the universities to make but I have asked HEC to consult vice chancellors and see if it is possible, given the special circumstances this year," Education Minister Shafqat Mahmood announced a few days ago, following protest by students.

He had also said universities should also assess whether they had the technical ability to conduct exam for all students.

"No one can be left behind. It is also necessary to ensure that online exam system is not misused to get easy grades. Preparing good question papers/assessment is imp [important]," the minister had tweeted.

The press release stated that the commission had taken note of the concerns raised by students of some universities that their exams should be conducted online.

It said apprehensions of students were reviewed carefully in consultation with the vice chancellors of all the provinces and regions, keeping in view the difficulties brought about by the pandemic and opening of universities

from Feb 1, 2021.

The press release said the HEC Guidance on Assessment and Examinations was available online, which said the higher education governing body had already allowed universities to use their discretion to conduct exams, either on-campus or online as long as the chosen mode provides a fair assessment of students' performance. Universities should take stock of their "exam readiness", i.e., technological readiness, managerial capacity and the announced policy, and choose the best possible mode of assessment.

It said online exams could be either used if the universities administer 'Open Book Exams' or establish an invigilation system in a supervised environment.

In this mode, universities will also have to use Turnitin to check similarity index with Web and the answers of other students. Further, viva/oral exam may be integrated in the assessment where necessary.

The HEC, while citing the said policy, said on-campus exams could be used only under strict compliance with all Covid-19 health and safety protocols. Universities may also have to organise make-up classes for two weeks in case students consider the course coverage to be deficient.

The press release said assessment of all courses requiring psychomotor skills, such as medicine and engineering, and subjects involving lab/studio work must be held on campus.

All students in a single course will be examined in the same mode i.e., either online or on-campus.

"Since March 2020, the HEC has been continuously monitoring the pandemic situation and coordinated with the universities to minimise academic disruption and continue online education with quality safeguards. The HEC Guidance on Online Readiness and Assessments and Examinations are available on HEC website and provide the requirements and minimum standards to be observed by universities," it said.

Meanwhile, after the HEC's decision, the education minister tweeted: "I am happy to note that HEC has formally allowed the universities to conduct online exams with adequate safeguards. This paves the way for them to devise right procedures quickly to do so. Education standards must be kept up. Work hard students and wish you the best."

Title:	TEMPORARY HIRING OF FACULTY IN COMSATS UNIVERSITY DECIDED
Source:	City42 P.01
Dated:	January 29, 2021
Weblink:	N/A



Title:	Sindh refuses HEC 4-years policy, carries out 2 years program
Source:	Dawn, P.02 Jung P.12
Dated:	February 4, 2021
Weblink:	https://e.jang.com.pk/02-04-2021/lahore/pic.asp?picname=835.png

HEC ياليسى مستر د، سندھكا2 سالىدۇ گرى يروگرام جارى ركھنے كااعلان 4 سالیہ پروگرام صوبائی خود مختاری پرحملہ،مسئلہ ی ی آئی میں اُٹھا تھی گے، نثار کھوڑ د کی پر لیس کا نفرنس كرا في (اساف ريورثر) سد حكومت ف ے۔ خارکوڑونے کہا کہ 18 وی ترمیم کے ذریعے لنكرن اسٹ کے خاتم کے بعد وفاق کے پاس دفاتی مائرا یج کیشن کمیشن کی جانب ہے دوسالہ ڈگری پروگرام کوختم کرکے چار سال کرنے کی پالیسی کو صرف جار مکلمے ہونے جاہئیں باقی وہ محکمے صوبوں کو منتقل تونہیں کئے گئے تکروفاق اپنی اجاراداری برقرار صوباتی خود مخاری پر حملہ قرار دے کر دو سالہ تمام رکھنے کے لیےصویوں کی تعلیم میں بھی بے جامدا خلت پروگرامز جاری رکھنے کا اعلان کردیا ہے۔ اس مات کا کرر ماے اور وفاقی ایچ ای می قائم کرکے صوبوں کی اعلان وزیر اعلیٰ سندھ کے مشیر برائے بورڈز و جامعات کوکنٹرول کرنے کی سازش ہے کبھی بی ایم تک جامعات نثارکھوڑونے سند ہاسمبلی کے کمیٹی روم میں نام يرطلبه وطالبات كے حقوق پر ڈا كہ ڈالہ جارہا ہے اسائدہ نمائندوں اور این جی اوز کے عہد بداروں تولیحی ایکی ای ی کی سخت بالیسان بنا کرصوباتی کے جمراہ پریس کانفرنس ہے خطاب کرتے ہوئے خود مخاری پر ڈاکہ ڈالنے کی کوشش کی جارہی ہے۔ کیا۔اس موقع پر حبیب جنیدی، شادیلی القدر، ایس ایم طه یعقوب چانڈیو اور دیگر بھی موجود تھے۔ نثار انہوں نے کہا سندھ صوبائی خود مختاری پر کمی قشم کی مصلحت نہیں کرے گی اور وفاق کی ایسی کسی ڈکٹیشن کو کھوڑو نے کہا کہ ہم وفاقی ایک ای سی کی ان تمام بھی قبول نہیں کر گھے۔ انہوں نے کہا کہ سدھ باليبيون كومستر دكرت بي ،مسئله شتر كه مفادات كى کُوْسِل (ی ی آئی) میں بھی اٹھا تھ گےاور حکومت د فاقی ایچ ای ی کواس مات کی ہرگز احازت 18 وی ترمیم پر کوئی مجھو تد نہیں کریں گے۔ انہوں شپیں دے گی کہ وہ ستدھ کے تعلیمی اداروں کی جاری کرد داستاد کی تصدیق کریں کیوں کہ تصدیق صرف فے کہا کے شدرد کی تمام جامعات صوبے کے وہی ادارہ کرسکتا ہے جو ڈگری جاری کرتا ہے۔ ایک یونیورشی ایکٹ کے قتحت صوبائی خود مختار کی کواستعمال کرکے تمام دو سالہ ڈگری پروگرامز جاری رکھیں 🛛 سوال کے جواب میں انہوں نے کہا کے وزیر اعظم نے نیکٹل کریکیولیم لانے کی بات ہوا میں کی ہےجس کے، صوبائی خود مختاری کو پھینی بنانے کے لیے آئیں کا گراؤنڈ پر کچونیں ہے۔عمران خان کی سوچ آمر یں تاریخ ساز18 وی ترمیم روزاول سے مرکزیت جزل يرويزمشرف والى باس لتحسنده يروفاق پند عناصر کوکھل رہی ہے اس لیے صوبائی ایچ ای س کے ماجود وفاقی مائرا یج کیشن کمیشن کا قیام بھی صوبائی 🛛 باریار حیلے آور ہے۔ شار کھوڑو نے ایک سوال کے خود محتاری کے خلاف ہے۔ انہوں نے کہا کے وفاقی جواب میں کہا کے جزائر کے متعلق دفاق کے اللج اي مي كاطرف ت تاقص بالييول ك اجرا آرڈینس کی مدت فتم ہوچکی اب وفاق دومارہ وہ آرذينس نبين نكال سكتا ادر سد حكومت جزائر كا ے ایک طرف صوبائی خود میتاری پامال ہور بھی ے دوسرى طرف جامعات كى خود مختارى تجى متاثر بور يى مقدمه منده جيت چكى ب-

Title: Source: Dated: Weblink:

Procedure to allot PhD scholarship challenged. Jung P.12, City42, P. 06 February 10, 2021 N/A IT المدود (كمد اشرف) في التكاوي كالرش Str Linits

التركاركالعدم الد HE كوخط HEConic مکری) چیز مین سندھ ہائر ایجوکیشن کمیشن کی جانب سے ٹی پی ایچ ڈی پالیسی 1. J. J. J. J. صفحه 10 بقية بمر43 ا يجوليش كميش ڈاكٹر عاصم حسين فے وفاقی ہائر ב שטישי ונכוגנט גליענו גיעבי خط 43 212 شرح لى جامعات اشاري 6, \$ الناتكانى -1 ز أورد يجر 61 - كا اظماركها) حاد Se 05/11/0 L تی حامعات ای دن کو ں اھ دى لازمى طور يردكهنا تا تكالبداان يوتورسيول 6Ard ş., م بعض يرد طلوب تعذادكو برقرار کف ش مشکلات بدا ہوما ن پی جو يزدى^ا ب كم في الحادى يروكرام شروع كرت كى Ċ. ضرورت یو نیور کی کے ریسری آؤٹ پٹ پر جنی ہوتی و



Naveed Siddique

Librarian– Software & Systems COMSATS University Islamabad, Lahore Campus. Defense Road, Off Raiwind Road Lahore – Pakistan Email: <u>librarycuilahore@cuilahore.edu.pk</u>, <u>nsiddique@cuilahore.edu.pk</u>

FB: https://www.facebook.com/Library-Information-Services-Comsats-University-Islamabad-Lahore-Campus-104357199633145/ Flicker: https://www.flickr.com/ Twitter: https://twitter.com/ Phone #: +92 111 001 007 Ext. 856