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## **Conference Program**

\* The conference program time follows Japan Standard Time (JST)

| First Da  | ay    |  | Oct. 20th (Thursday)   |  |
|---|-------|--|--|--|
| 09:30   | 10:00 | by, C-Cube Building)   |  |  |
| 10:00   | 10:05 | Welcome Speech: Assoc. Prof. Osama Eljamal   |  |  |
| 10:05   | 10:20 | Open Remark and Introduction of IGSES  |  |  |
| 10:20   | 10:40 | Photo Session and Coffee Break   |  |  |
| Venue   |       | Keynote Session K1, Chikushi Hall, (Zoom Meeting)  |  |  |
| Session Chair Assoc. Prof. Hooman Farzaneh Co-chair Mohamed Suliman |       | · ·  |  |  |
| 10:40   | 11:50 | Title: Vascular materials: Predicting Design Evolution Speaker: Distinguished Prof. Adrian Bejan, Mechanical Engineering, Duke University, USA   |  |  |
| 11:50   | 12:20 | Title: Wind Engineering Research Trend in Malaysia  Speaker: Assoc. Prof. Azli Abd Razak, Wind Engineering and Building Physic Research Group, School of Mechanical Engineering, College of Engineering, Universiti Teknologi MARA, Selangor, Malaysia |  |  |
| 12:20   | 13:40 | Lunch Break  |  |  |
|   |       | Se   | ssion 1  |  |
| Venue   |       | Chikushi Hall (Zoom Meeting)   | WEEL Room (Zoom Meeting)   |  |
| Session   | Chair | Khan Md. Mamun-Ur- Rashid  | Leila Mahmoudi   |  |
| Co-cha  | ir    | Pakkapawn Prapan   | Kalbekov Alimzhan  |  |
| 13:40   | 13:50 | Analysis of the different maximum power point tracking strategies in a load-connected photovoltaic system Zhao Yuhan and Hooman Farzaneh, Kyushu University, Japan.  | A mini-Review on Transportation and Fate of<br>Silver Nanoparticles Released from Consumer<br>Products: Ecological Risk Assessments<br>Islam M. Radwan and Osama Eljamal, Kyushu<br>University, Japan  |  |
| 13:50   | 14:00 | Demand Elasticity Estimation from the<br>Japanese National Electricity Grid<br>Considering Wholesale Market Price<br>Mohamed Saad Suliman and Hooman Farzaneh,<br>Kyushu University, Japan   | Effect of water matrix on ligand-assisted adsorption of ciprofloxacin from aqueous solutions by zerovalent iron nanoparticles Omar Falyouna, Ibrahim Maamoun, Mohd Faizul Idham, Osama Eljamal, Kyushu University, Japan                                       |  |
| 14:00   | 14:10 | Techno-Economic Analysis of on Grid PV Power System for Vocational Training Institute Baluchistan, Pakistan to Reduce the Cost of Energy Nabeel Ul Rehman, Hooman Farazaneh, Kyushu University, Japan  | CNT based nanomaterials for food industry: a review Kristi Priya Choudhury, Tahzib Ibrahim Protik, Newton Neogi, Sabbir Hossain Nipu, Shahjalal University of Science and Technology, Bangladesh   |  |
| 14:10   | 14:20 | Modeling and prediction of the achievement<br>level with related goals for SDG 11:<br>Sustainable Cities and Communities<br>Venkatesh Baskaran, R Velkennedy, S<br>Murugan, Ga Theerumalai, Government College<br>of Engineering, India                | Mixed convection flow and heat transfer of Biomagnetic fluid with magnetic/non-magnetic particles due to a stretched cylinder in the presence of a magnetic dipole Jahangir Alam, M.G. Murtaza, E.E. Tzirtzilakis, M. Ferdows, University of Dhaka, Bangladesh |  |



| 14:20 14:30   | Estimating Ground Elevation using Borehole Information: A Case of Metro Manila, Philippines Joenel Galupino and Jonathan Dungca, De La Salle University, Philippines | An entirely solar-powered hybrid thermal-<br>membrane desalination system integrated with<br>Solar heaters and preheating technique<br>Swellam W. Sharshir, Mahmoud Seif Eldin1, A. E.<br>Kabeel, Mofreh H. Hamed, H.F. Abosheiasha, A.                             |  |
|---------------|--|---|--|
|               | Sane Oniversity, Finippines  | W. Kandeal, Faculty of Engineering, Kafrelsheikh University, Egypt  |  |
| 14:30 14:40   | Environmental and Economical Evaluation  | Simulation Study on the Wet-bulb  |  |
|               | of Natural Gas Vehicles Promotion Program  | Humidification-Dehumidification Cycle for Desalination  |  |
|               | in The City of Baghdad<br>Rudha Khudhair and Yonghun Jung, Kyushu  | Hafiz Muhammad Asfahan, Muhammad Sultan,  |  |
|               | University, Japan  | Bahauddin Zakariya University, Pakistan   |  |
| 14:40 14:50   | Comparison of prioritization of  | Design and Development of Solar Dryer for Local   |  |
|               | pedestrianization warrants among transport   | Seaweeds (Kappaphycus spp.)   |  |
|               | professionals- an initial assessment in Metro<br>Manila  | Jack O. Bertulfo, Alvie A. Roluna, Joey G. Carillo,<br>Lord Boy C. Silong, Caraga State University,   |  |
|               | Paolo Ian Lucero, Gyan Louie Gloriani,   | Philippines   |  |
|               | Fernando Miguel Lozano, Janine Lois Molina,  |   |  |
|               | Miguel Lorenzo Ondevilla, De La Salle University, Philippines.   |   |  |
| 14:50 15:00   | The RFID Electronic Tag Defect Detection   | Assessment of the Physical and Mechanical   |  |
| 11100 10100   | System Based on YOLOv5 For Industrial  | Properties of Indigenous Agro-Waste Materials   |  |
|               | Scenarios  | from Southern Nigeria for the Production of   |  |
|               | Jingyu Zhou, Zhaodong Ding, Guanghui Du,   | Composite Particleboards for Sustainable  |  |
|               | Shuangshuang Zhao, Tetsuya Furukawa, Ke Lu,<br>Anhui University of Technology, China   | Building Materials Pamilerin Sanni, Babatunde Olatunbosun, Godwin   |  |
|               | Amul University of Technology, China   | Anukan, Sylvanus Udoh, HARFIZ SALISU,   |  |
|               |  | Federal University of Technology Akure, Nigeria   |  |
| 15:00 15:30   | Coffee Break   |   |  |
| Venue         | Keynote Session K2, Ch   | nikushi Hall, (Zoom Meeting)  |  |
| Session Chair | Ayas Shaqour   |   |  |
| Co-chair      | Zehua SI   |   |  |
| 15:30 16:00   | Title: Microgrid Protection: Heading off Its (   |   |  |
|               | Speaker: Assoc. Prof. Mohammad Lutfi Othr  | nan, Electrical Power Engineering   |  |
| 16.00 16.20   | Universiti Putra Malaysia, Malaysia  | 1.0   |  |
| 16:00 16:30   | Title: Unknown of Recycling for Innovative S Speaker: Assoc. Professor İbrahim BİLİCİ, O   |   |  |
| 16:30 16:50   | Coff   | ee Break  |  |
|               | Se   | ssion 2   |  |
| Venue         | Chikushi Hall (Zoom Meeting)   | WEEL Room (Zoom Meeting)  |  |
| Session Chair | Butt Sannan Salabat  | Elsayed Abdelhameed   |  |
| Co-chair      | Wang Yunfei  | Kalbekov Alimzhan   |  |
| 16:50 17:00   | The Geyser Type Mud Volcano Eruption in Sidoarjo, East Java Indonesia Adjat Sudradjat, Ildrem Syafri, M. Burhannudinnur, Karyono, Padjadjaran University, Indonesia  | Comparative study of micro hydro model systems for powering the sub-village of Tulaun Lalumpe Minahasa of North Sulawesi province, Indonesia Meita Rumbayan, Rilya Rumbayan, Christy Pasiowan, Stefi Elkana, Naomi V Panjaitan, Sam Ratulangi University, Indonesia |  |
| 17:00 17:10   | Performance Measurement using DEA-   | Advances with Metal Organic Framework based   |  |
|               | Multipliers Method: A Case Study of Clean<br>Water Companies in Indonesia  | nanomaterials in 4 <sup>th</sup> industrial revolution Sabbir Hossain Nipu, Newton Neogi, Kristi Priya  |  |



|       |       | Erni Puspanantasari Putri, Universitas 17<br>Agustus 1945 Surabaya, Indonesia  | Choudhury, Shahjalal University of Science and Technology, Bangladesh  |
|-------|-------|--|--|
| 17:10 | 17:20 | Energy Harvesting from Highway Traffic<br>Vehicles Movement via VAWT<br>Shoel Rana, Biplob Roy, Bidyut Baran Saha,<br>Sampad Ghosh, Chittagong University of<br>Engineering and Technology, Bangladesh           | Multi-Classification of Brain MRI Tumor Using ConVGXNet, ConResXNet, and ConIncXNet Hafiza Akter Munira and Md. Saiful Islam, Chittagong University of Engineering and Technology, Bangladesh  |
| 17:20 | 17:30 | The Effects of Rubber Keys' Structure and its Packaging Tape on Automatic Assembly of Rubber Key in PCB Holes  Md Saiful Islam and Xiaosong MA, Guilin University of Electronic Technology,  Bangladesh          | Characterization of Mechanized Farming Operations in Butuan City, Philippines Neil Caesar M. Tado and Reca S. Bautista, Caraga State University, Philippines   |
| 17:30 | 17:40 | Mathematical Modelling and Thin-Layer Drying of Sago Starch Using Infrared Dryer Jack O. Bertulfo, Pia Threcia Marie B. Butao, Jona M. Sordilla, Caraga State University, Philippines                            | Numerical Simulation of Highly Efficient Lead-<br>free MAGeI <sub>3</sub> Based Perovskite Solar Cell for<br>Various ETL and HTL Layers<br>Farjana Akter Jhuma, Mohammad Junaebur Rashid,<br>Sharnali Islam, Kyushu University, Japan              |
| 17:40 | 17:50 | Evaluate the possibility of adsorption heat pump application using Activate Carbon and Freon refrigerant pairs Seo Sang won, Frantisek Miksik, Kyaw Thu, Miyazaki Takahiko, Kyushu University, Japan             | Study on prefabrication method for housing in Indonesia by utilization undegradable waste for building materials Siswanti Zuraida, Bart Dewancker, Romi Bramantyo Margono, Muhammad Arief Irfan, Anjar Primasetra, University of Kitakyushu, Japan |
| 17:50 | 18:00 | Investigating vaccination behavior and disease dynamics of a time-delayed two strain epidemic model: An evolutionary approach Md. Mamun-Ur-Rashid Khan, Md. Rajib Arefin, Jun Tanimoto, Kyushu University, Japan |  |
| 18:00 | 18:10 | Closin   | g Remarks  |



## **Conference Program**

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| <b>Second Day</b> |  | Oct. 21st (Friday)   |
|-------------------|--|--|
| Venue             | Keynote Session K3, Chi  | kushi Hall, (Zoom Meeting)   |
| Session Chair     | Mohamed Suliman  |  |
| Co-chair          | Mojtaba Purjam   |  |
| 10:00 10:30       | Title: Opportunities to exploit stored energy in                                   | wastewater   |
|                   | Speaker: Assoc. Prof. Osama Eljamal, Environn                                      |  |
|                   | Engineering Lab., Interdisciplinary Graduate Scho                                  | ool of Engineering Sciences, Kyushu University   |
| 10:30 10:50       | Coffee   | e Break  |
|                   | Sess   | ion 3  |
| Venue             | Chikushi Hall (Zoom Meeting)   | WEEL Room (Zoom Meeting)   |
| Session Chair     | Mutebi denis   | Nguyen Dang Khoa   |
| Co-chair          | Seo Sang Won   | Leila Mahmoudi   |
| 10:50 11:00       | Linear stability analysis of an improved car-                                      | Guiding center orbit simulation of energetic   |
|                   | following model considering vehicle's inertia                                      | particles in tokamak plasma  |
|                   | effect   | Yunfei Wang, Kazuaki Hanada, Youjun Hu,  |
|                   | Zehua Si, Md. Anowar Hossain, Jun Tanimoto,  | Kaiyang He, Haiqing Liu, Jinping Qian, Xiang   |
|                   | Kyushu University, Japan   | Gao, and Yinxian Jie, Kyushu University, Japan   |
| 11:00 11:10       |  | <b>Evaluating the Social and Psychological Factors</b>                                 |
|                   | on Ru (0001) surface and oxygen adsorption   | about the Public Acceptance of Treated   |
|                   | structure  | Wastewater Reuse: A Review   |
|                   | Dhiman Banik, Yuka Nagamatsu, Tomoya Jimba   | Bipasha Singha and Osama Eljamal, Kyushu   |
| 11 10 11 20       | and Takeshi Nakagawa, Kyushu University, Japan                                     | University, Japan  |
| 11:10 11:20       | An investigation on the behavior of the torch flame in the LBGE combustion process | Recent Advances in Reinforcement Learning Applications for Building Energy Management: |
|                   | Elsayed Abdelhameed and Hiroshi Tashima,   | A Mini Review.   |
|                   | Kyushu University, Japan   | Ayas Shaqour and Aya Hagishima, Kyushu   |
|                   | Ryushu Chrycistty, Jupan   | University, Japan  |
| 11:20 11:30       | Low Emission Scenarios Analysis in the Urban                                       | Application of Organic Photodetectors (OPD) in   |
|                   | Transportation in Dhaka, Bangladesh  | Photoplethysmography (PPG) Sensors: A small  |
|                   | Farhana Nur Rahman, Homman Farzaneh, Kyushu  | review   |
|                   | University, Japan  | Farjana Akter Jhuma, Reiji Hattori, Kyushu   |
|                   |  | University, Japan  |
| 11:30 11:40       | The Study of Cyclist Body Posture Via CFD  | Development of Artificial Nose for Tumor   |
|                   | Simulation   | Patient using 3D Printing Technology   |
|                   | M. H. M. Noh, M. A. Abdullah, A. H. A. Hamid,                                      | Abdul Halim Abdullah, Nazira Bolhassan,  |
|                   | Universiti Teknologi MARA, Malaysia  | Muhammad Hazli Mazlan, Abdul Rahim Bahari,   |
|                   |  | Shahrul Hisyam Marwan, Universiti Teknologi  |
| 11:40 11:50       | Topology Optimization for Transtibial Socket                                       | MARA, Malaysia  Parametric analysis of a counter-flow dew point                        |
| 11.40 11.50       | Prosthetic Leg   | evaporative cooler   |
|                   | Mohd Hazwan Mohamed Norli, Muhammad  | Lao Marco, Kyaw Thu, Takahiko Miyazaki,  |
|                   | Shafiq Rusyaidi, Jamaluddin Mahmud, Abdul  | Kyushu University, Japan   |
|                   | Halim Abdullah, Jabatan Kejuruteraan Mekanikal,                                    |  |
|                   | Malaysia.  |  |
| 11:50 12:00       | Development of a Shoulder Disarticulation  | Preliminary Design and Aerodynamic   |
|                   | Cosmetic Arm Prosthesis  | Performance Analysis of High-Lift Low  |
|                   | Muhammad Firas Zulkifli, Natiara Mohamad   | Reynolds Number Airfoils   |
|                   | Hashim, Muhammad Hanif Ramlee, Abdul Halim   | Ahmad Hussein Abdul Hamid, Firdaus Mohamad,  |
|                   | Abdullah   | Mohd Hafiz Mohd Noh, Rizal Effendy Mohd  |



|         |         |  | Nasir, Mohd Azan Mohammed Sapardi, Universiti<br>Teknologi MARA, Malaysia  |  |
|---------|---------|--|--|--|
| 12:00   | 12:10   | Finite Element Analysis of Dental Adhesive for<br>Four Classes of Direct Restoration<br>Haszeme Abu Kasim, Ahmad Bazli Saari, Abdul<br>Halim Abdullah, Shahrul Hisyam Marwan,<br>Universiti Teknologi MARA, Malaysia   | Development of Life-Size Flexible Jig for Handheld 3D Scanner Mohamad Hannan Yusof, Ahmad Hussein Abdul Hamid, Mohd Hafiz Mohd Noh, Helmi Rashid, Mohammad Azeeb Mazlan, Abdul Halim Abdullah, Universiti Teknologi MARA, Malaysia   |  |
| 12:10   | 12:20   | A mini overview of miscellaneous uses of TiO <sub>2</sub> based nanomaterials Kristi Priya Choudhury, Newton Neogi, Sabbir Hossain Nipu, Tahzib Ibrahim Protik, Shahjalal University of Science and Technology, Sylhet, Bangladesh                                 | Application of Computational Fluid Dynamics in Examining the Filtration Efficacy of Fine and Coarse Particles in a Baffle Integrated-Vertical Ventilation Duct Chau Hoang Bao, Le Tan Dat, Nguyen Dang Khoa, Hua Minh Quang, Tran Huynh Chieu, Nguyen Lu Phuong, University of Natural Resources and Environment, Vietnam. |  |
| 12:20   | 12:30   |  | Development and Characterization of<br>Briquettes made from Unsalable Banana Peel<br>Wastes: A Preliminary Evaluation<br>Kenneth N. Sindol, Andrea Suzette T. Gadat, Joan<br>Jane J. Sanchez, Philip Donald C. Sanchez,<br>College of Engineering and Geosciences,<br>Philippines  |  |
| 12:30   | 14:00   | Lunch Break  |  |  |
| Venue   |         | Keynote Session K4, Chikushi Hall, (Zoom Meeting)  |  |  |
| Session | ı Chair | Elsayed Abdelhameed  |  |  |
| Co-cha  | uir     | Butt Sannan Salabat  |  |  |
| 14:00   | 14:30   | Title: Reverse Osmosis Desalination Systems Powered by Renewable Energy: Preheating Techniques and Brine Disposal Challenges  Speaker: Assoc. Prof. Swellam W. Sharshir, Mechanical Engineering department, Faculty of Engineering, Kafrelsheikh University, Egypt |  |  |
| 14:30   | 15:00   | Coffee   | e Break  |  |
|         |         | Sess   | ion 4  |  |
| Venue   |         | Chikushi Hall (Zoom Meeting)   | WEEL Room (Zoom Meeting)   |  |
| Session | ı Chair | Mohamed Suliman  | Wang Yunfei  |  |
| Co-cha  | uir     | Pepe Haoulomou   | Ayas Shaqour   |  |
| 15:00   | 15:10   | Occupant's thermal preference diversity in residential air-conditioning use: A study in Osaka, Japan Jiajun Lyu, Aya Hagishima, Kyushu Univ., Japan  | A Mini Review of Organically Bound Tritium in The Environment Portuphy Michael Ofotsu, Katayama Kazunari, Kyushu University, Japan.  |  |
| 15:10   | 15:20   | Measurement of Interfacial Thermal Resistance<br>at Microstructured Si-water Interface Using<br>Steady State Method<br>Yankun Yu, Gyoko Nagayama, Kyushu Institute<br>of Technology, Japan   | Properties of ZnO and Zn Nanoparticles Produced by Electrical Discharge in Liquid Method Alimzhan Kalbekov, Emil Omurzak, Kyushu University, Japan   |  |
| 15:20   | 15:30   | Thermodynamic Analysis and Optimization of<br>Helium Ericsson Power Cycle: A Novel Model<br>for Pseudo-isothermal Compression and<br>Expansion<br>Mojtaba Purjam, Kyaw Thu, Takahiko Miyazaki,<br>Kyushu University, Japan   | Antibiotics Removal from Aqueous Environments: A Mini Review on Graphene Oxide-based Nanomaterials Application Mohd Faizul Idhama, Omar Falyouna, Ramadan Eljamal, Ibrahim Maamoun, Osama Eljamal, Kyushu University, Japan.   |  |



| 15:30 15:40   | The role of coated nanoscale zero-valent iron with magnesium hydroxide in improving methane production during the anaerobic digestion of waste sludge  | Design, Fabrication, and Performance Evaluation of Village-Type Coconut Coir Dust Compacting Machine Art M. Dalman, Mercedith D. Bagtilay, Neil |
|---------------|--|---|
|               | Ramadan ELjamal, Ibrahim Maamoun, Mohd   | Caesar M. Tado, Caraga State University,  |
|               | Faizul Idham, Osama Eljamal  | Philippines   |
| 15:40 15:50   | Energy Efficiency Reality with Reference to the  | Present Situations of Dust Storms in Iran for   |
|               | Residential Sector in Uganda   | Seeking Numerical Predictions   |
|               | Denis Mutebi and Kyaw Thu, Kyushu University, Japan  | Leila Mahmoudi, Naoki Ikegaya, Kyushu university, Japan.  |
| 15:50 16:00   | Design, Fabrication, and Performance   | UTILIZATION AND EVALUATION OF   |
| 13.30 10.00   | Evaluation of Sago (Metroxylon sagu Rottb.)  | RICE HUSK ASH AND COCONUT SHELL   |
|               | Starch Extractor   | ASH AS PARTIAL CEMENT   |
|               | Aljon E. Bocobo, Juliet R. Maureal, Anamarie P.  | REPLACEMENT FOR CONCRETE  |
|               | Sajonia, Caraga State University, Japan  | HOLLOW BLOCKS PRODUCTION  |
|               |  | May Rose Boston-Osoteo, Aldwin Jason B.   |
|               |  | Pontillo, Arnold G. Apdohan, Caraga State   |
| 16.00 16.10   | Co Donalda of mulada and a landa da lan | University, Philippines   |
| 16:00 16:10   | Co-Benefits of replacing personal motorized transport with active transportation under   | Numerical Investigation of Fine particle Transportation and Deposition in the Human   |
|               | different scenarios in Delhi (India)   | Lower Airway: Impact of airflow and particle  |
|               | Tayoos Hassan Bhat and Hooman  | size on deposition efficiency   |
|               | Farzaneh, Kyushu University, Fukuoka, Japan  | Nguyen Dang Khoa, Nguyen Lu Phuong,   |
|               |  | Kazuhide Ito, Kyushu University, Japan  |
| 16:10 16:20   | ANALYSIS OF GLYCEROL IN NIPA (Nypa   | Catalytic Activity and Kinetic Studies of   |
|               | fruticans Wurmb.) KERNEL EXTRACT   | Core@Shell Nanostructure Cu/Zn Ferrite  |
|               | (NKE) USING HIGH PERFORMANCE   | /Al <sub>2</sub> O <sub>3</sub> , CuO for Degradation of Para-Nitro<br>Phenol   |
|               | LIQUID CHROMATOGRAPHY (HPLC) Mario Dario L. Berdolaga Jr., Philippine Science  | Sannan Salabat Butt, Erum Pervaiz, Kyushu   |
|               | High School, Mimaropa Region Campus  | University, Japan.  |
| 16:20 16:30   | Utilization of ZIF based nanomaterials for clean   | A mini review on a study of Helium behavior   |
|               | environment purposes   | for fusion reactor development  |
|               | Newton Neogi, Kristi Priya Choudhury, Sabbir   | Pakkapawn Prapan, Kyushu University, Japan  |
|               | Hossain Nipu, Tahzib Ibrahim Protik, Shahjalal   |   |
|               | University of Science and Technology, Sylhet,<br>Bangladesh  |   |
| 16:30 16:50   | 8  | e Break   |
|               | Sess   | ion 5   |
| Venue         | Chikushi Hall (Zoom Meeting)   | WEEL Room (Zoom Meeting)  |
| Session Chair | Pepe Haoulomou   | Farjana Jhuma   |
| Co-chair      | Marco Lao  | Seo Sang Won  |
| 16:50 17:00   | A Two-model Automatic Towel Defect   | Heat Transfer Analysis of Al <sub>2</sub> O <sub>3</sub> Nanoparticles  |
|               | <b>Detection Method Based on YOLOv5</b>  | Nazim Ali, M. Javaid Afzal, Farah Javaid,   |
|               | Zhaodong Ding, Jingyu Zhou, Guanghui Du,   | Shahzadi Tayyaba, M. Waseem Ashraf, G. F.   |
|               | Shuangshuang Zhao, Tetsuya Furukawa, Ke Lu,  | Ishraque Toki, M. Khalid Hossain, Government  |
|               | Anhui University of Technology, China  | Islamia Graduate College Civil Lines Lahore,  |
| 17:00 17:10   | Lominor Flow Analysis of NACA 4412 At-fail   | Pakistan Application of Magnetotallyvia Coophysical   |
| 17.00 17:10   | Laminar Flow Analysis of NACA 4412 Airfoil Through ANSYS Fluent  | Application of Magnetotelluric Geophysical<br>Technique to Study the Subsurface Structural  |
|               | M. Shehzad Arif, M. Javaid Afzal, Farah Javaid,  | Setting in Marsa Alam, Eastern Desert, Egypt  |
|               | Shahzadi Tayyaba, M. Waseem Ashraf, G. F.  | Ahmed Khalil and Osama Eljamal, National  |
|               | Ishraque Toki, M. Khalid Hossain, Government   | Research Institute of Astronomy and Geophysics,   |
|               | Islamia Graduate College Civil Lines Lahore,   | Egypt   |
|               | Pakistan   |   |
|               |  |   |



| 17:10 | 17:20 | Deep Learning-based Image Recognition for Disaster Prevention Application  Jye-Hwang Lo, Lee-Kuo Lin, Hung-po Cheng, Chu-Chun Hung, National Taipei University of Technology, Taiwan.   | On the Multivariate Regression Modeling for<br>Performance Prediction of Dew-point<br>Evaporative Desalination System<br>Muhammad Imran Haider, Hafiz Muhammad<br>Asfahan, Muhammad Sultan, Bahauddin Zakariya<br>University, Pakistan   |
|-------|-------|---|--|
| 17:20 | 17:30 | Investigation of Land Cover Change in<br>Kahramanmaras Province (Turkey)<br>Erdi Ekren, Kahramanmaras Sutcu Imam<br>University, Turkey.   | The Risk Assessment Management of Disaster Prevention on Roads Chun Chen, Lee-Kuo Lin, National Taipei University of Technology, Taiwan  |
| 17:30 | 17:40 | Service area determination of fire stations in an urban setting through a GIS-based multicriteria analysis: the case of Quezon City, Philippines  Chester Cruz, Tian Ruy Ong, Mathew Harvey Peralta, Institute of Civil Engineering, University of the Philippines Diliman, Philippines | ANSYS simulation of Temperature of Cooling<br>System in Li-ion Battery<br>Zia ul Qasmi, M. Javaid Afzal, M. Tariq Nadeem,<br>Farah Javaid, Shahzadi Tayyaba, M. Waseem<br>Ashraf, G. F. Ishraque Toki, M. Khalid<br>HossainGovernment Islamia Graduate College<br>Civil Lines Lahore, Pakistan |
| 17:40 | 17:50 |   | Catalytic Converter Simulation for Pressure<br>and Velocity Measurement<br>Muhammad Sufian, M. Javaid Afzal, Farah Javaid,<br>Shahzadi Tayyaba, M. Waseem Ashraf, G. F.<br>Ishraque Toki, M. Khalid Hossain, Government<br>Islamia Graduate College Civil Lines Lahore,<br>Pakistan            |
| 17:50 | 18:00 | Best Presentation Awa   | rds & Closing Remarks  |