

| EST   | Wednesday, December 18, Day 1                                                                                                                                                                                                                                                    |
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|       | <b>11D : Virtual (Abu Kaisar Mohammad Msum &amp; Niyati Baliyan)</b>                                                                                                                                                                                                             |
| 09:30 | 169 (MC2) - LyriX : Automated Lyrics Transcription using Deep Learning-based Residual UNET Model ( <i>Roy, Arijit; Baweja, Esha*; Kumar, Ashish</i> )                                                                                                                            |
| 09:50 | 356 (MC2) - Evaluating the Clinical Applicability of Neural Networks for Meningioma Tumor Segmentation on Multiparametric 3D MRI ( <i>Sreedhar, Diya*</i> )                                                                                                                      |
| 10:10 | 368 (MC2) - Volumetric Feature Extraction from 2D Images Using Cubixels ( <i>Aburass, Sanad*; Abu Rumman, Maha</i> )                                                                                                                                                             |
| 10:30 | 413 (MC2) - Comparative Evaluation of Autoencoders for Semi- Supervised Anomaly Detection on Univariate Time Series Data ( <i>Markovic, Tijana*; Moricz, Sara; Leon, Miguel</i> )                                                                                                |
| 10:50 | 427 (MC2) - S-Omninet: Structured Data Enhanced Universal Multimodal Learning Architecture ( <i>Xue, Ye*; Klabjan, Diego; Utke, Jean</i> )                                                                                                                                       |
| 11:10 | Break (11:10-11:30)                                                                                                                                                                                                                                                              |
|       | <b>12D: Virtual (Manas Paldhe &amp; Mourad Ellouze)</b>                                                                                                                                                                                                                          |
| 11:30 | 717 (MC1) - Enhancing Allergy Prediction Accuracy through Machine Learning and ProteinBERT (Chennamsetty, Agastya*)                                                                                                                                                              |
| 11:50 | 748 (MC1) - ECGInsight: A Web Application-Based Approach to Myocardial Infarction Detection From ECG Image Reports Utilizing ResNet ( <i>Setu, Jahanggir Hossain; Pasha, Syed; Halder, Nabarun; Sikder, Sankar; Islam, Ashraf*; Alam, Dr Md Zahangir</i> )                       |
| 12:10 | 434 (MC2) - Student Mental Health Screening with Text Message Metadata ( <i>Tlachac, ML*; Ogden, Samuel</i> )                                                                                                                                                                    |
| 12:50 | Lunch (12:50-14:00)                                                                                                                                                                                                                                                              |
|       | <b>13D: Virtual (Mahmuda Naznin)</b>                                                                                                                                                                                                                                             |
| 14:00 | 694 (MC1)- Exploring Multi-label Data Augmentation for LLM Fine-tuning and Inference in Requirements Engineering: A Study with Domain Expert Evaluation ( <i>Korkakakis, Nikolaos*; Liu, Hanyue; Bueno García, Marina</i> )                                                      |
| 14:20 | 474 (MC1 short) - Detecting Salmon Lice in sea water Using Synthetic Datasets ( <i>Zheng, Lei*; Zhang, Chao; Bracke, Marc; Gansel, Lars; da Silva Torres, Ricardo</i> )                                                                                                          |
|       | 1153 (SS1) - Tri-level Optimization for Gradient Based Neural Architecture Search ( <i>Ali, Sarwat; Wani, Arif*</i> )                                                                                                                                                            |
| 14:40 | 1013 (SS1) - Interpretable Deep Learning Model for Multiclass Brain Tumor Classification ( <i>Tasnim, Raihana*; Roy, Kaushik; Siddula, Madhuri</i> )                                                                                                                             |
|       | 1116 (SS1) - Securing 3D Deep Learning Models: Simple and Effective Defense Against Adversarial Attacks ( <i>Kharal, Rosina*; Ali, Saif Al-Din; Mohiuddin, Usama; El Sayed, Samir</i> )                                                                                          |
| 15:00 | 1023 (SS1-short) Comparative Evaluation of Deep Learning Architectures for Retinal Ganglion Cell Counting: FCRN-A, FCRN-A-v2, and U-Net ( <i>Gharaei, Narges; Gaikwad, Nupur; Upadhyay, Darshana*; Sampalli, Srinivas; Chauhan, Balwantray; Jamet, Aliénor</i> )                 |
|       | 1090 (SS1) - Variational Encoder based Synthetic Alzheimer’s Data Generation for Deep Learning, XGBoost and Statistical Survival Analysis ( <i>Musto, Henry*; Stamate, Daniel</i> )                                                                                              |
| 15:20 | Coffee Break (15:20 - 15:40)                                                                                                                                                                                                                                                     |
|       | <b>14D: Virtual (Aneesh Komanduri)</b>                                                                                                                                                                                                                                           |
| 15:40 | 1084 (SS2) - Using Transformers for Emotion Recognition in Bangla Text: A Comparative Study of MultiBERT and BanglaBERT with Data Augmentation ( <i>Halder, Nabarun; Prama, Tanjina; Setu, Jahanggir Hossain; Noor, Arafat; Sikder, Sankar; Islam, Ashraf*; Amin, M Ashraf</i> ) |
|       | 1076 (SS2) - Toward Robust Generative AI Text Detection: Generalizable Neural Model ( <i>Abburi, Harika*; P, Nirmala; Veeramani, Balaji; Bowen, Edward; Bhattacharya, Sanmitra</i> )                                                                                             |
| 16:00 | 431 (MC1) - Deep Neural Networks for Comprehensive Environmental Noise Estimation in European Cities ( <i>Sharma, Jivitesh*; Jetschny, Stefan; Sainz, Miquel; Blanes, Nuria; Peris, Eulalia; Fons, Jaume; Belaid, Mohamed-Bachir</i> )                                           |
| 16:20 | 1054 (SS1) - Deep Learning Enhanced Gap Filling in Drosophila Melanogaster Genomic Data ( <i>Sharma, Jivitesh*; Jetschny, Stefan; Kapun, Martin; Belaid, Mohamed-Bachir</i> )                                                                                                    |
| 16:40 | Break (16:40 - 17:00)                                                                                                                                                                                                                                                            |
|       | <b>15D: Virtual (Aneesh Komanduri)</b>                                                                                                                                                                                                                                           |
| 17:00 | 715 (MC1) - FL-EGM: Decentralized Federated Learning using Aggregator Selection with Enhanced Global Model ( <i>Khan, Muhammad Kaleem Ullah*; Zhang, Kaiwen; Talhi, Chamseddine</i> )                                                                                            |
| 17:20 | 688 (SS2) - Chain-of-Factors: A Zero-Shot Prompting Methodology Enabling Factor-Centric Reasoning in Large Language Models ( <i>Hussain, Musarrat*; Rehman, Ubaid Ur; Nguyen, Tri D.T.; Lee, Sungyoung; Kim, Seong Tae; Bae, Sung-Ho; Kim, Jung Uk</i> )                         |
|       | 524 (MC1-short) V-CAS: A Realtime Vehicle Anti Collision System Using Vision Transformer on Multi-Camera Streams ( <i>Ashraf , Muhammad Waqas*; Hassan, Ali; Shah, Imad Ali</i> )                                                                                                |
| 17:40 | 1021 (SS3) Mixture of Projection Experts for Multivariate Long-term Time Series Forecasting ( <i>Niu, Hao*; Habault, Guillaume; Cao, Defu; zhang, yizhou; Legaspi, Roberto; Ung, Huy; Enouen, James; Wada, Shinya; ONO, CHIHIRO; Minamikawa, Atsunori; Liu, Yan</i> )            |
|       | 662 (MC1-short)On the Effectiveness of a Hybrid Model for Volatility Prediction ( <i>BEVNM, SaiAsrith; Agarwal, Akshay*</i> )                                                                                                                                                    |
| 18:00 | 550 (MC1-short) ECSGen and iZen: A New NLP Task and A Zero-shot Framework to Perform It ( <i>Riyadh, Md. ; Shafiq, Omair*</i> )                                                                                                                                                  |
|       | 551 (MC1-short) CFC-ATE: Causal Feature Construction via Average Treatment Effect ( <i>LAMSAF, Asmae*; Proenca, Hugo; Neves, João</i> )                                                                                                                                          |
| 18:20 | 815 (WS3) - Dynamic Prediction of Reblowing Necessity in BOF Steelmaking ( <i>Khaksar Ghalati, Maryam *</i> )                                                                                                                                                                    |
|       | 973 (SS3) - Domain Contextual and Relational Graph Model for Predictive Maintenance ( <i>Schiller, Robert; Chavan, Trupti; Kakkar, Akshay; E, Viraj; Williams, Don; Snidauf, Derek; Bowen, Edward; Mittal, Deepak; Tiyyagura, Sunil*</i> )                                       |
| 18:40 | 691 (MC1-short) Pre-train, Mixup and Fine-tune: A Simple Strategy to Handle Domain Shift ( <i>Ilyas, Haider; Abburi, Harika*; Bowen, Edward; Veeramani, Balaji</i> )                                                                                                             |

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| 18:45 | 1055 (SS5) - Pragmatic and ML Approaches to Backfilling Missing Data within Time Series Datasets (Bhattacharya, Sambit*; Brown, Taylor; Wilkerson, Matthew; Blanton, Brian)                                      |
| 19:00 | 491 (MC1-short) New Product Sales Forecasting Model Leveraging Data Homogeneity and Ensemble Method: A Case Study on Smartphone (Hwang, Seongbeom*; Yoo, Goonhu; Baek, Eunjung; Han, Young-Sub; Jeon, Byoung-Ki) |
|       | 976 (SS2) - LingBERT, Linguistic Knowledge Injection into Attention Mechanism based on a Hybrid Masking Strategy (Mechouma, Toufik*; biskri, ismail; Robert, Serge)                                              |
| 19:20 |                                                                                                                                                                                                                  |
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