

**DEXA2023 Conferences & Workshops Program**  
**28-30 August 2023, Penang Malaysia**

**DAY 3, Wednesday, 30 August 2023 – Online presentations (Central European Summer Time-zone (CEST - Vienna))**

Time: CEST - Vienna time zone	Program	Time: Malaysian time zone
08:00 – 08:30	<i>Preparation &amp; check in</i>	1400 – 14:30
<b>Track 1</b> Zoom link: <a href="https://jku.zoom.us/j/98976313885?pwd=UDUxV2RjWCsrR2dLTkd6dWYzcGVwQT09">https://jku.zoom.us/j/98976313885?pwd=UDUxV2RjWCsrR2dLTkd6dWYzcGVwQT09</a> Meeting-ID: 989 7631 3885   Password: 330686		
08:30 – 10:30	<b>DEXA V.1</b> <b>Paper ID# 16,29,156,46,48,61</b>	14:30 – 16:30
	<ul style="list-style-type: none"> <li>• <b>Scalable Summarization for Knowledge Graphs with Controlled Utility Loss</b>  <i>Yi Wang, Ying Wang, Qia Wang</i>  <i>China</i></li> <li>• <b>Commonsense-aware Attentive Modeling for Humor Recognition</b>  <i>Yuta Sasaki, Jianwei Zhang, Yuhki Shiraishi</i>  <i>Japan</i></li> <li>• <b>PrivSketch: A Private Sketch-based Frequency Estimation Protocol for Data Streams</b>  <i>Ying Li, Xiaodong Lee, Botao Peng, Themis Palpanas, Jingan Xue</i>  <i>China, France</i></li> <li>• <b>KBQA: Accelerate Fuzzy Path Query on Knowledge Graph</b>  <i>Li Zeng, Qiheng You, Jincheng Lu, Shizheng Liu, Weijian Sun, Rongqian Zhao, Xin Chen</i>  <i>China</i></li> <li>• <b>A study on Vulnerability Code Labeling Method in Open-Source C Programs</b>  <i>Yaning Zheng, Dongxia Wang, Huayang Cao, Cheng Qian, Xiaohui Kuang, Honglin Zhuang</i>  <i>China</i></li> </ul>	
<b>Track 2</b> Zoom link: <a href="https://jku.zoom.us/j/99195007091?pwd=b0l3YU52WUpVUk9sWHpsMXlrZDA4QT09">https://jku.zoom.us/j/99195007091?pwd=b0l3YU52WUpVUk9sWHpsMXlrZDA4QT09</a> Meeting-ID: 991 9500 7091   Password: 494055		
08:30 – 10:30	<b>DAWAK V.1</b> <b>Paper ID#: 7,51,43,22,30,56</b>	14:30 – 16:30
	<ul style="list-style-type: none"> <li>• <b>Supervised Hybrid Model for Rumor Classification: A Comparative Study of Machine and Deep Learning Approaches</b>  <i>Mehzabin Sadat Aothoi, Samin Ahsan, Najeefa Nikhat Choudhury, Annajiat Alim Rasel</i>  <i>Bangladesh</i></li> <li>• <b>A Fine-Grained Structural Partitioning Approach to Graph Compression</b>  <i>François Pitois, Hamida Seba, Mohammed Haddad</i>  <i>France</i></li> <li>• <b>HKS: Efficient Data Partitioning for Stateful Streaming</b>  <i>Adeel Aslam, Giovanni Simonini, Luca Gagliardelli, Angelo Mozzillo, Sonia Bergamaschi</i>  <i>Italy</i></li> <li>• <b>Preventing technical errors in data lake analyses with type theory</b>  <i>Alexis Guyot, Eric Leclercq, Annabelle Gillet, Nadine Cullot</i>  <i>France</i></li> <li>• <b>The Synergies of Context and Data Aging in Recommendations</b>  <i>Anna Dalla Vecchia, Niccolò Marastoni, Barbara Oliboni, Elisa Quintarelli</i>  <i>Italy</i></li> <li>• <b>A Non-overlapping Community Detection Approach based on <math>\alpha</math>-Structural Similarity</b>  <i>Motaz Ben Hassine, Saïd Jabbour, Mourad Kmimech, Badrane Raddaoui, Mohamed Graïet</i>  <i>France</i></li> </ul>	
10:30 – 10:45	<i>Break</i>	16:30 – 16:45

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10:45 – 12:45	<p style="text-align: center;"><b>DEXA V.2</b> <b>Paper ID#: 8,105,119,153,19</b></p>	16:45 – 18:45
	<ul style="list-style-type: none"> <li>• <b>Hierarchy-aware Bilateral-Branch Network for Imbalanced Hierarchical Text Classification</b> <i>Jiangjiang Zhao, Jiyi Li, Fumiyo Fukumoto</i> China, Japan</li> <li>• <b>Fine-tuning Pre-Trained Model for Consumer Fraud Detection from Consumer Reviews</b> <i>Xingli Tang, Keqi Li, Liting Huang, Hui Zhou, Chunyang Ye</i> China</li> <li>• <b>Deep Multi-Interaction Hidden Interest Evolution Network for Click-through Rate Prediction</b> <i>zhongxing zhang, Qingbo Hao, Yingyuan Xiao, Wenguang Zheng</i> China</li> <li>• <b>Temporal Semantic Attention Network for Aspect-Based Sentiment Analysis</b> <i>Bin Yang, Xinyang Tong, Ying Xing, Qi Shen, Huiying Zhao, Zhipu Xie</i> China</li> <li>• <b>Knowledge Injection for Aspect-Based Sentiment Classification</b> <i>Romany Dekker, Danae Gielisse, Chaya Jaggan, Sander Meijer, Flavius Frasinca</i> Netherlands</li> </ul>	
Track 2		
Zoom link: <a href="https://jku.zoom.us/j/99195007091?pwd=b0l3YU52WUpVUk9sWHpsMXlrZDA4QT09">https://jku.zoom.us/j/99195007091?pwd=b0l3YU52WUpVUk9sWHpsMXlrZDA4QT09</a> Meeting-ID: 991 9500 7091   Password: 494055		
10:45 – 12:45	<p style="text-align: center;"><b>DEXA V.3</b> <b>70,22,118,107,123</b></p>	16:45 – 18:45
	<ul style="list-style-type: none"> <li>• <b>Enhancing Online Index Tuning with a Learned Tuning Diagnostic</b> <i>Haitian Hang, Jianling Sun</i> China</li> <li>• <b>Double-layer Attention for Long Sequence Time-Series Forecasting</b> <i>Jiasheng Ma, Xiaoye Wang, Yingyuan Xiao</i> China</li> <li>• <b>CF-SAFF: Collaborative Filtering based on Self-Attention Mechanism and Feature Fusion</b> <i>Weixin Kong, Xiaoye Wang, Yingyuan Xiao</i> China</li> <li>• <b>MIRS: [MASK] Insertion based Retrieval Stabilizer for Query Variations</b> <i>Junping Liu, Mingkang Gong, Xinrong Hu, Jie Yang, Yi Guo</i> China, Australia</li> <li>• <b>Investigating Lakehouse-Backbones for Vehicle Sensor Data</b> <i>Christopher Vox, David Broneske, Jan Piewek, Janusz Feigel, Gunter Saake</i> Germany</li> </ul>	
12:45 – 13:30	Break	18:45 – 19:30
Track 1		
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13:30 – 15:00	<p style="text-align: center;"><b>EGOVIS &amp; IWCFS &amp; DEXA</b> <b>Egovis-16, ICWFS-6, DEXA-067</b></p>	19:30 – 21:00
	<ul style="list-style-type: none"> <li>• <b>Ontology-Driven Parliamentary Analytics: Analysing Political Debates on COVID-19 Impact in Canada</b> <i>Sabrina Azzi and Stéphane Gagnon</i> UK, Canada</li> <li>• <b>An Approach for Safe and Secure Software Protection Supported by Symbolic Execution</b> <i>Daniel Dorfmeister, Flavio Ferrarotti, Bernhard Fischer, Evelyn Haslinger, Rudolf Ramler, Markus Zimmermann</i> Austria</li> </ul>	

	<ul style="list-style-type: none"> <li>• <b>Adding result diversification to kNN-based joins in a Map-Reduce framework</b>  <i>Vinicius Souza, Luiz Carvalho, <b>Daniel de Oliveira</b>, Marcos Bedo, Lucio Santos</i>  Brazil</li> </ul>	
<b>Track 2</b> Zoom link: <a href="https://jku.zoom.us/j/99195007091?pwd=b0l3YU52WUpVUk9sWHpsMXlrZDA4QT09">https://jku.zoom.us/j/99195007091?pwd=b0l3YU52WUpVUk9sWHpsMXlrZDA4QT09</a> Meeting-ID: 991 9500 7091   Password: 494055		
13:30 – 15:00	<b>DEXA V.4</b> <b>87,106,116,131</b>	19:30 – 21:00
	<ul style="list-style-type: none"> <li>• <b>Dexteris: Data Exploration and Transformation with a Guided Query Builder Approach</b>  <b>Sébastien Ferré</b>  France</li> <li>• <b>A Neighborhood Encoding for Subgraph Queries in Graph Databases</b>  <i>Chems Eddine Nabti, Thamer Mecharnia, Salah Eddine Boukhetta, Karima Amrouche, <b>Hamida Seba</b></i>  France</li> <li>• <b>Financial Argument Quality Assessment in Earnings Conference Calls</b>  <b>Alaa Alhamzeh</b>  Germany</li> <li>• <b>Towards a Workload Mapping Model for Tuning Backing Services in Cloud Systems</b>  <i>Gaurav Kumar, <b>Kshira Sagar Sahoo</b>, and Monowar Bhuyan</i>  Sweden</li> </ul>	
15:00 – 15:15	Break	21:00 – 21:15
<b>Track 1</b> Zoom link: <a href="https://jku.zoom.us/j/98976313885?pwd=UDUxV2RjWCsrR2dLTkd6dWYzcGVwQT09">https://jku.zoom.us/j/98976313885?pwd=UDUxV2RjWCsrR2dLTkd6dWYzcGVwQT09</a> Meeting-ID: 989 7631 3885   Password: 330686		
15:15 – 17:00	<b>DEXA V.5</b> <b>84,27,88,152,154,151</b>	21:15 – 23:00
	<ul style="list-style-type: none"> <li>• <b>A Knowledge-based Approach to Business Process Analysis: from Informal to Formal</b>  <i>Antonio De Nicola, Anna Formica, Ida Mele, <b>Michele Missikoff</b>, Francesco Taglino</i>  Italy</li> <li>• <b>Evaluating Prompt-based Question Answering for Object Prediction in the Open Research Knowledge Graph</b>  <b>Jennifer D'Souza</b>, Moussab Hrou, Sören Auer  Germany</li> <li>• <b>Variables are a Curse in Software Vulnerability Prediction</b>  <b>Jinghua Groppe</b>, Sven Groppe, Ralf Möller  Germany</li> <li>• <b>Interpreting Deep Text Quantification Models</b>  <b>YunQi Bang</b>, Mohammed Khaleel, Wallapak Tavanapong  USA</li> <li>• <b>An approach for efficient processing of machine operational data</b>  <b>Ben Lenard</b>, Eric Pershey, Zachary Nault, Alexander Rasin  USA</li> <li>• <b>Compliance and Data Lifecycle Management in Databases and Backups</b>  <i>Nick Scope, Alexander Rasin, <b>Ben Lenard</b>, James Wagner</i>  USA</li> </ul>	

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15:15 – 17:00	<b>DAWAK V.2</b> <b>52,75,33,70,23</b>	21:15 – 23:00
	<ul style="list-style-type: none"> <li>• <b>Attention-based Counterfactual Explanation for Multivariate Time Series</b> <i>Peiyu Li, Omar Bahri, Soukaina Filali Boubrahimi, Shah Muhammad Hamdi</i> USA</li> <li>• <b>Motif Alignment for Time Series Data Augmentation</b> <i>Omar Bahri, Peiyu Li, Soukaina Filali Boubrahimi, Shah Muhammad Hamdi</i> USA</li> <li>• <b>Hierarchical Graph Neural Network with Cross-Attention for Cross-Device User Matching</b> <i>Ali Taghibakhshi, Mingyuan Ma, Ashwath Aithal, Onur Yilmaz, Haggai Maron, Matthew West</i> USA</li> <li>• <b>Beyond Traditional Flare Forecasting: A Data-driven Labeling Approach for High-fidelity predictions</b> <i>Jinsu Hong, Anli Ji, Chetraj Pandey, Berkay Aydin</i> USA</li> <li>• <b>Utility-Oriented Gradual Itemsets Mining Using High Utility Itemsets Mining</b> <i>Audrey Fongue, Jerry Lonlac, Norbert Tsopzen</i> Cameroon</li> </ul>	
<b>End</b>		

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