

TWO JOINT EVENTS @ IEEE BigData 2024 10th Special Session on Information Granulation in Data Science and Scalable Computing & BigData Cup Challenge on Predicting Chess Puzzle Difficulty @ KnowledgePit.ai		
15 December 2024 (ONLINE)		
0900-0930	Introduction (remark: all times in EST)	
	Language Granularity (Part of Special Session)	Chair: Shusaku Tsumoto
0930-0950	SP14202: On Text Granularity and Metric Frameworks for Large Language Model Content Detection	Linh Le, Dung Tran
0950-1010	BigD726: Textual Out-of-Distribution Data Detection Based on Granular Dictionary	Tinghui Ouyang, Toshiyuki Amagasa
1010-1030	SP14215: EduMAS: A Novel LLM-Powered Multi-Agent Framework for Educational Support	Qiaomu Li, Ying Xie, Sumit Chakravarty, Dabae Lee
1030-1050	Coffee Break	
	Granularity in Data Mining (Part of Special Session)	Chair: Tzung Pei Hong
1050-1110	SP14203: A Utility-Mining-Driven Active Learning Approach for Analyzing Clickstream Sequences	Danny Y.C. Wang, Lars Arne Jordanger, Jerry Chun-Wei Lin
1110-1130	SP14212: A Federated Mining Framework for Complete Erasable Itemsets	Tzung-Pei Hong, Meng-Jui Kuo, Chun-Hao Chen, Katherine Shu-Min Li
1130-1150	Hierarchical Approach to Data Quality Understanding (Part 1)	Alina Powła, Dominik Ślęzak
1150-1210	SF14207: RFMI-based Customer Segmentation with K-means	Wensheng Gan, Pinlyu Zhou, Shicheng Wan, Jiyuan Zeng, Zhenlian Q
1210-1230	SP14208: Recursive Queries: Twenty-Five Years After SQL:1999	Marta Burzańska, Piotr Wiśniewski, Krzysztof Stencel
1230-1400	Lunch Break	
	Predicting Chess Puzzle Difficulty, Part 1 (BigData Cup)	Chair: Dominik Ślęzak
1400-1420	SC01207: IEEE Big Data Cup 2024 Report: Predicting Chess Puzzle Difficulty at KnowledgePit.ai	Jan Zyśko, Maciej Świechowski, Sebastian Stawicki, Katarzyna Jagieła, Andrzej Janusz, Dominik Ślęzak
1420-1440	SC01205: Moves Based Prediction of Chess Puzzle Difficulty with Convolutional Neural Networks	Dymitr Ruta, Ming Liu, Ling Cen
1440-1500	SC01203: Predicting Chess Puzzle Difficulty with Transformers	Szymon Miłoś, Paweł Kapusta
1500-1520	SC01208: Do Data Scientists Dream About Their Skills' Assessment? - Transforming a Competition Platform Into an Assessment Platform	Dominik Ślęzak, Andrzej Janusz, Maciej Świechowski, Agnieszka Chądzyńska-Krasowska, Jacek Kamiński
1520-1540	Coffee Break	
	Granular Computing Applications (Part of Special Session)	Chair: Weiping Ding
1540-1600	SP14201: Premenstrual Syndrome Detection Based on Granular Computing and AI in Home Environment	Łukasz Sosnowski, Iwona Szymusik
1600-1620	SP14211: About Granular Rough Computing: Concept-Dependent Granulation Powered by Map Reduce	Radosław Cybulski
1620-1640	SP14214: Determination of Disease Codes from Electronic Patient Records	Tomohiro Kimura, Shoji Hirano, Shusaku Tsumoto
1640-1700	SP14213: Big Data Analytics in Patient Navigation Service	Tomohiro Kimura, Shoji Hirano, Shusaku Tsumoto
16 December 2024 (ONSITE, YELLOWSTONE ROOM & ONLINE)		
	Information Granulation (Part of Special Session) & Predicting Chess Puzzle Difficulty, Part 2 (BigData Cup)	Chair: Dominik Ślęzak
1030-1050	SP14206: Decoding the Granular Puzzle of Macromolecules: Efficient 3D Protein Structure Alignment in the Age of Big Data with Apache Spark	Bożena Małyśiak-Mrozek, Paulina Pawłowicz, Vaidy Sunderam,
1050-1110	SP14209: An incremental approach for the detection of legend text in digital maps	Salem Benferhat, Arthur Marzinkowski, Anastasia Paparrizou, Cédric Piette
1110-1130	SP14210: KeyMinES: Extracting Minimal Keyphrases for Sub-events in Disaster Situations	Ademola Adesokan, Sanjay Madria
1130-1145	SC01206: The bread emoji Team's Submission to the IEEE BigData 2024 Cup: Predicting Chess Puzzle Difficulty Challenge	Tyler Woodruff, Oleg Filatov, Marco Cогnetta
1145-1200	SC01202: Estimating Chess Puzzle Difficulty Without Past Game Records Using a Human Problem-Solving Inspired Neural Network Architecture	Anan Schütt, Tobias Huber, Elisabeth André
1200-1215	SC01201: Estimating the Puzzlingness of Chess Puzzles	Sebastian Björkqvist
1215-1230	SC01204: Pairwise Learning to Rank for Chess Puzzle Difficulty Prediction	Andry Rafaralahy