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You can browse GEIST members' publication from last years below:

2022

1. K. Kutt, D. Drażyk, L. Żuchowska, M. Szelażek, S. Bobek, and G. J. Nalepa, "**BIRAFFE2, a multimodal dataset for emotion-based personalization in rich affective game environments**," *Sci. Data*, vol. 9, no. 1, p. 274, 2022, doi: [10.1038/s41597-022-01402-6](https://doi.org/10.1038/s41597-022-01402-6).
2. J. Jakubowski, P. Stanisiz, S. Bobek, and G. J. Nalepa, "**Anomaly Detection in Asset Degradation Process Using Variational Autoencoder and Explanations**," *Sensors*, vol. 22, no. 1, p. 291, 2022, doi: [10.3390/s22010291](https://doi.org/10.3390/s22010291).
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4. J. Jakubowski, P. Stanisiz, S. Bobek, and G. J. Nalepa, "**Performance of Explainable {AI} Methods in Asset Failure Prediction**," in *Computational Science - ICCS 2022 - 22nd International Conference, London, UK, June 21-23, 2022, Proceedings, Part IV*, 2022, vol. 13353, pp. 472–485, doi: [10.1007/978-3-031-08760-8_40](https://doi.org/10.1007/978-3-031-08760-8_40).
5. M. Kuk, S. Bobek, and G. J. Nalepa, "**Comparing Explanations from Glass-Box and Black-Box Machine-Learning Models**," in *Computational Science - ICCS 2022 - 22nd International Conference, London, UK, June 21-23, 2022, Proceedings, Part III*, 2022, vol. 13352, pp. 668–675, doi: [10.1007/978-3-031-08757-8_55](https://doi.org/10.1007/978-3-031-08757-8_55).

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1. V. Rodriguez-Fernández, A. Trzcionkowska, A. González-Pardo, E. Brzychczy, G. J. Nalepa, and D.

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2. M. Kuk, S. Bobek, and G. J. Nalepa, “**Explainable clustering with multidimensional bounding boxes**,” in *8th IEEE International Conference on Data Science and Advanced Analytics, DSAA 2021, Porto, Portugal, October 6-9, 2021*, 2021, pp. 1–10, doi: [10.1109/DSAA53316.2021.9564220](https://doi.org/10.1109/DSAA53316.2021.9564220).
 3. L. Zuchowska, K. Kutt, and G. J. Nalepa, “**Bartle Taxonomy-based Game for Affective and Personality Computing Research**,” in *Proceedings of the Twelfth International Workshop Modelling and Reasoning in Context (MRC 2021) co-located with the 30th International Joint Conference on Artificial Intelligence (IJCAI 2021), Montréal, Quebec, Canada, August 19-20, 2021*, 2021, vol. 2995, pp. 51–55, [Online]. Available: <http://ceur-ws.org/Vol-2995/paper7.pdf>.
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1. S. Bobek, M. M. Tragarz, M. Szelązek, and G. J. Nalepa, **“Explaining Machine Learning Models of Emotion Using the BIRAFFE Dataset,”** in *Artificial Intelligence and Soft Computing - 19th International Conference, ICAISC 2020, Zakopane, Poland, October 12-14, 2020, Proceedings, Part II*, L. Rutkowski, R. Scherer, M. Korytkowski, W. Pedrycz, R. Tadeusiewicz, and J. M. Żurada, Eds. Springer, 2020, pp. 290–300, doi: [10.1007/978-3-030-61534-5_26](https://doi.org/10.1007/978-3-030-61534-5_26).
2. G. J. Nalepa, J. M. Ferrández, J. T. Palma-Méndez, and V. Julián, Eds., **“Proceedings of the 3rd Workshop on Affective Computing and Context Awareness in Ambient Intelligence (AfCAI 2019), Universidad Politécnica de Cartagena, Spain, November 11-12, 2019,”** 2020, vol. 2609, [Online]. Available: <http://ceur-ws.org/Vol-2609>.
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