PUBLICATIONS DR. JOZSEF HECHT MÉNDEZ

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3. Hecht-Méndez, J., de Paly, M., Beck, M., P. Bayer (2013): Optimization of energy extraction for vertical closed-loop geothermal systems considering groundwater flow, Energy Conversion and Management, 66, 1–10.

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1. Hecht-Mendez J., Dickmann, T., Murchi, S. and T. Robinson (2025): Tunnel seismic exploration at Coire Glas Exploratory Works as part of a comprehensive risk mitigation. ITA-AITES World Tunnel Congress 2025, Stockholm, Sweden, 9-15 May 2025.

2. Hecht-Mendez J., Dickmann, T. and D. Krueger (2024): Uninterrupted continuous forecasting in mechanical tunnelling in rock. ITA-AITES World Tunnel Congress 2024, Shenzhen, China, 19-25 April 2024.

3. Choudhary, K., Hecht-Mendez, J. and T. Dickmann (2023): Integration of Wireless Reflection Seismic Using a Mechanized Impact Source into Machine Driven Rock Tunneling. 2nd EAGE/Aqua Foundation Indian Near Surface Geophysics Conference & Exhibition, New Delhi, Nov 2023, Volume 2023, p.1 – 5.

4. Dickmann, T., Hecht-Méndez, J., Krüger, D., Sinkovec, C. and C. Schönlechner (2023): Rapid Seismic Data Acquisition in a TBM Road Tunnel Excavation with Segmental Lining. 15th International ISRM Congress, Salzburg, October 2023.

5. Hecht-Méndez, J. and T. Dickmann, T. (2023): First Experience in Turkey on The Use of Tunnel Reflection Seismic in Underground Mining. The 5th International Underground Excavations Symposium, Istanbul, June 2023.

6. Sapronova, A., Unterlas, P.J., Dickmann, T., Hecht-Méndez, J. and T. Marcher (2022): Prediction of Geological Conditions Ahead of the Tunnel Face: Comparing the Accuracy of Machine Learning Models Trained on Real and Synthetic Data. In: Gomes Correia, A., Azenha, M., Cruz, P.J.S., Novais, P., Pereira, P. (eds) Trends on Construction in the Digital Era. ISIC 2022. Lecture Notes in Civil Engineering, vol 306. Springer, Cham.

7. Dickmann, T., Krueger, D. and J., Hecht-Méndez (2022): Correlating rock support and ground treatment means with in-tunnel seismic data. Proceedings of the World Tunnel Congress, Copenhagen, April 2022.

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14. Dickmann, T. and J. Hecht-Mendez (2017): Look-ahead seismic investigations during tunneling with shield tunnel boring machines. The 2017 International Conference on Tunnels and Underground Spaces (ICTUS17), Seoul, November 2017.

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