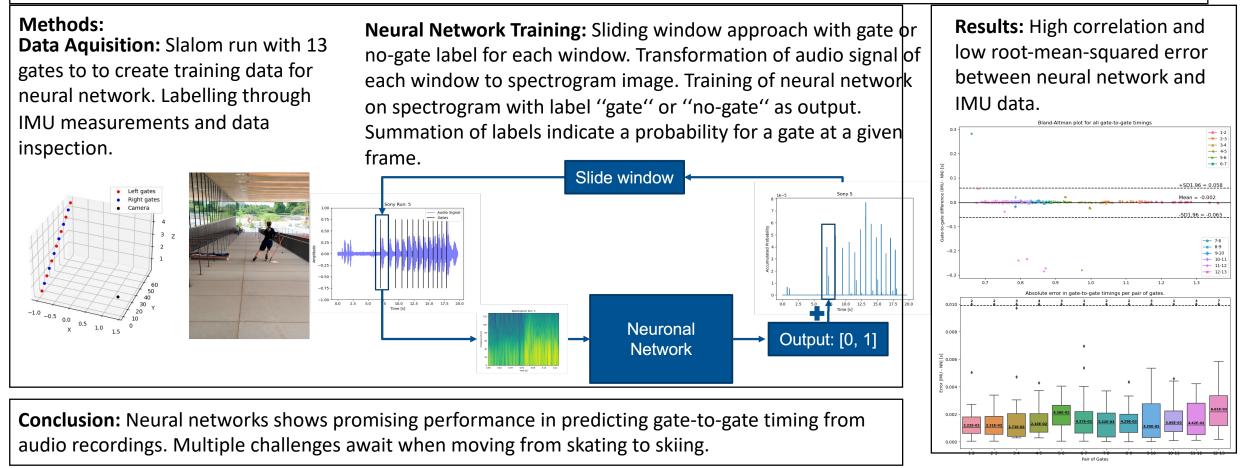
## Automatic gate-to-gate time recognition from audio recordings in alpine slalom skating using neural networks

Friedrich Menhorn<sup>1</sup>, Chris Hummel<sup>2</sup>, Andreas Huber<sup>3</sup>, Karlheinz Waibel<sup>4</sup>, Hans-Joachim Bungartz<sup>1</sup>, Peter Spitzenpfeil<sup>2</sup>

**Task:** Train neural network on sound of gate contact to automatically compute the gate-to-gate timing based on audio recordings in alpine slalom skating.



<sup>1</sup>TUM School of Computation, Information and Technology, <sup>2</sup>TUM Department of Applied Sport Science, <sup>3</sup>Olympiastützpunkt Bayern, <sup>4</sup>German Ski Team

Menhorn, F., Hummel, C., Huber, A., Waibel, K., Bungartz, H.-J., & Spitzenpfeil, P. (2024). Automatic gate-to-gate time recognition from audio recordings in alpine slalom skating using neural networks. *Current Issues in Sport Science*, *9*(3), Article 003. https://doi.org/10.36950/2024.3ciss003