cal instruments ontology," *Journal of Web Semantics*, 2020 (submitted).

[18] (accessed July 2020). [Online]. Available: https://www.youtube.com/watch?v=fqzEQnsSIoY

[19] L. Turchet, M. Benincaso, and C. Fischione, "Examples of use cases with smart instruments," in *Proceedings of Audio Mostly Conference*, 2017, pp. 47:1–47:5. [Online]. Available: https://doi.org/10.1145/3123514.3123553

[20] (accessed July 2020). [Online]. Available: https://www.elk.audio

[21] (accessed July 2020). [Online]. Available: https://www.hyvibe.audio/smart-guitar/

[22] S. Benacchio, B. Chomette, A. Mamou-Mani, and F. Ollivier, "Modal proportional and derivative state active control applied to a simplified string instrument," *Journal of Vibration and Control*, vol. 22, no. 18, pp. 3877–3888, 2016.

[23] L. Turchet and M. Barthet, "An ubiquitous smart guitar system for collaborative musical practice," *Journal of New Music Research*, vol. 48, no. 4, pp. 352–365, 2019. [Online]. Available: http://dx.doi.org/10.1080/09298215.2019.1637439

[24] L. Turchet, J. Pauwels, C. Fischione, and G. Fazekas, "Cloud-smart musical instrument interactions: Querying a large music collection with a smart guitar," *ACM Transactions on the Internet of Things*, vol. 1, no. 3, pp. 1–29, 2020. [Online]. Available: https://dl.acm.org/doi/abs/10.1145/3377881

[25] L. Turchet, A. McPherson, and M. Barthet, "Co-design of a Smart Cajón," *Journal of the Audio Engineering Society*, vol. 66, no. 4, pp. 220–230, 2018. [Online]. Available: https://doi.org/10.17743/jaes.2018.0007

[26] ——, "Real-time hit classification in a Smart Cajón," *Frontiers in ICT*, vol. 5, no. 16, 2018. [Online]. Available: https://doi.org/10.3389/fict.2018.00016

[27] L. Turchet, T. West, and M. M. Wanderley, "Touching the audience: Musical Haptic Wearables for augmented and participatory live music performances," *Journal of Personal and Ubiquitous Computing*, pp. 1–21, 2020. [Online]. Available: https://doi.org/10.1007/s00779-020-01395-2

[28] L. Turchet, "Smart Mandolin: autobiographical design, implementation, use cases, and lessons learned," in *Proceedings of Audio Mostly Conference*, 2018, pp. 13:1–13:7. [Online]. Available: http://doi.acm.org/10.1145/3243274.3243280

[29] L. Turchet and M. Barthet, "Jamming with a smart mandolin and Freesound-based accompaniment," in *IEEE Conference of Open Innovations Association (FRUCT)*. IEEE, 2018, pp. 375–381.

[30] (accessed July 2020). [Online]. Available: https://elk.audio/retrologue-synth-desktop-synth/

[31] L. Turchet, S. J. Willis, G. Andersson, A. Gianelli, and M. Benincaso, "On making physical the control of audio plugins: the case of the Retrologue Hardware Synthesizer," in *Proceedings of Audio Mostly Conference*, 2020 (accepted).

[32] (accessed July 2020). [Online]. Available: https://w3id.org/smi#

[33] K. Janowicz, A. Haller, S. J. Cox, D. Le Phuoc, and M. Lefrançois, "SOSA: A lightweight ontology for sensors, observations, samples, and actuators," *Journal of Web Semantics*, 2018.

[34] Y. Raimond, S. Abdallah, M. Sandler, and F. Giasson, "The music ontology," in *Proceedings of International Society for Music Information Retrieval Conference*, 2007.

[35] T. Wilmering, G. Fazekas, and M. Sandler, "The audio effects ontology." in *Proceedings of the International Society for Music Information Retrieval conference*, 2013, pp. 215–220.

[36] ——, *AUFX-O: Novel Methods for the Representation of Audio Processing Workflows*, ser. Lecture Notes in Computer Science,. Springer, Cham, 2016, vol. 9982.

[37] G. Fazekas and M. Sandler, "The Studio Ontology Framework," in *Proceedings of the International Society for Music Information Retrieval conference*, 2011, pp. 24–28.

[38] A. Allik, G. Fazekas, and M. Sandler, "An ontology for audio features," in *Proceedings of the International Society for Music Information Retrieval Conference*, 2016, pp. 73–79.

[39] L. Turchet, F. Antoniazzi, F. Viola, F. Giunchiglia, and G. Fazekas, "The internet of musical things ontology," *Journal of Web Semantics*, vol. 60, p. 100548, 2020. [Online]. Available: http://www.sciencedirect.com/science/article/pii/S1570826820300019

[40] M. Fernández, C. Overbeeke, M. Sabou, and E. Motta, "What makes a good ontology? a case-study in fine-grained knowledge reuse," in *The Semantic Web*, A. Gómez-Pérez, Y. Yu, and Y. Ding, Eds. Berlin, Heidelberg: Springer Berlin Heidelberg, 2009, pp. 61–75.

[41] (accessed July 2020). [Online]. Available: https://jena.apache.org/documentation/tdb/

[42] D. Guinard, V. Trifa, F. Mattern, and E. Wilde, "From the internet of things to the web of things: Resource-oriented architecture and best practices," in *Architecting the Internet of things*. Springer, 2011, pp. 97–129.