The suggested paper presentation will introduce a recently developed prototype, which features real-time transformations and control of complex piano notation through the pianist’s gesture. This tool materializes an embodied cognition–influenced paradigm of interaction of pianists with complex notation (under the title _corporeal navigation_), drawing from latest developments in the computer music fields of musical representation (augmented and interactive musical scores via the INScore) and of multimodal interaction (Gesture Follower & Co).

In a nutshell: Gestural, video, audio and midi data are appropriately mapped on the musical score, turning it into a personalized, dynamic, multimodal tablature. This tablature may be used for efficient learning, performance and archiving, with potential further applications in pedagogy, composition, improvisation and score following. The underlying metaphor for such a tool is that instrumentalists touch or cut through notational complexity using performative gestures, as much as they touch their own keyboards. Their action on the instrument forms integral part of their understanding, which can be represented as a gestural processing of the notation.

Next to the already mentioned applications (INScore and Gesture Follower) and related research in the computer music fields of musical representation and multimodal interaction, new perspectives in piano performance of post–1945 complex repertoire (from serialism to ‘New Complexity’) and in musicology (‘performative turn’), as well as the emerging field of ‘embodied and extended cognition’ in cognitive science, are indispensable for this project. Those developments are summarized under the notion of _corporeal navigation_, as an embodied paradigm for interpretation today, alternative to the traditional model of _understanding–technique–interpretation_.