

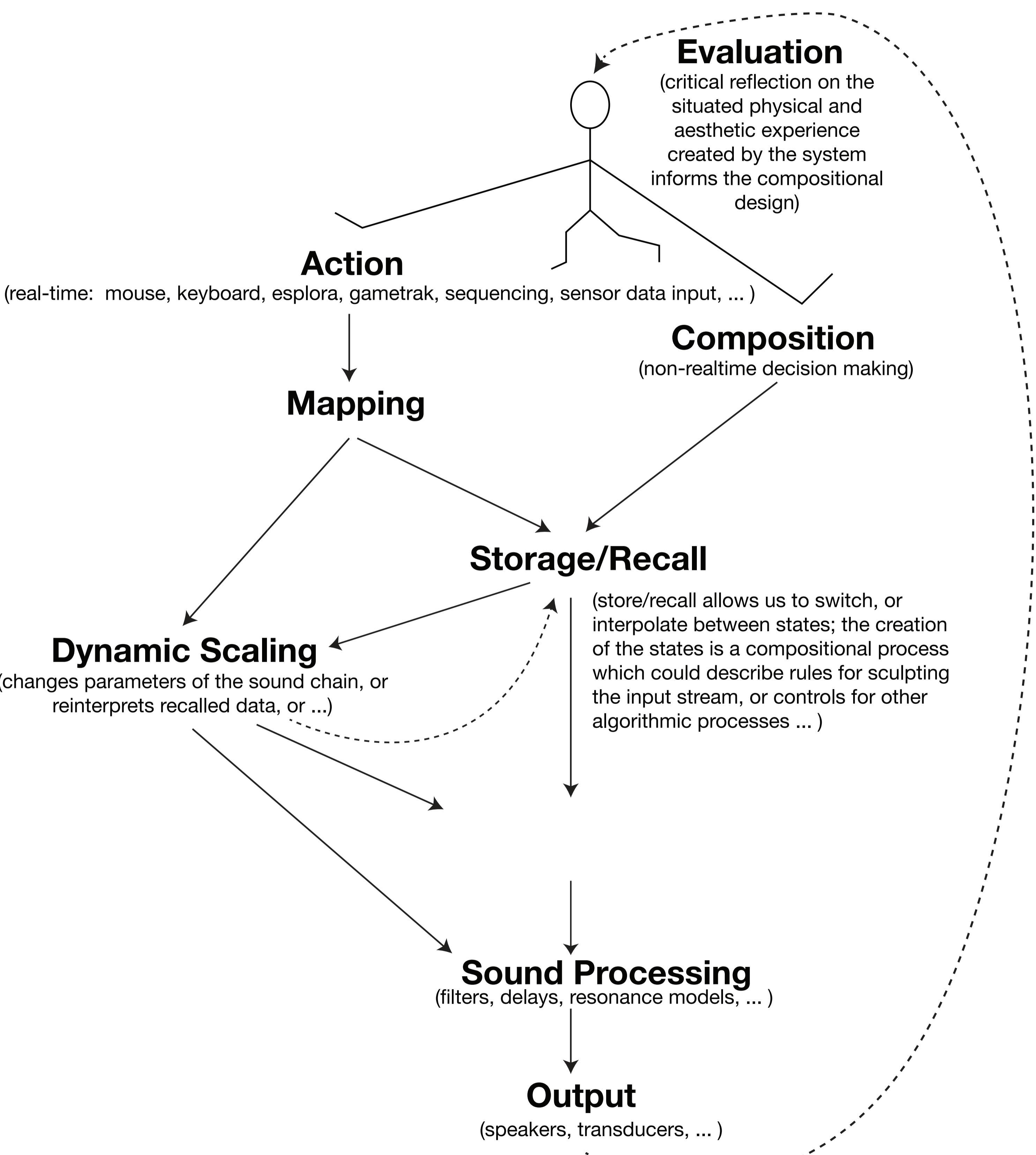
Music 158B/258B:

Situated Instrument Design for Musical Expression



Course Description:

The practice and theory of contextual instrument design for use in musical expression is explored. Students create new instruments and performance environments using a variety of physical interaction paradigms, programming practices, and musical processes emerging from the UC Berkeley, Center for New Music and Audio Technologies (CNMAT). Building on methodologies established in Music 158A/258A, the course develops aesthetic, analytic and technical skills through discussion, empirical study, and collaborative engagement. With a balance of artistic and technical concerns, participants deepen understanding of the creative process, demonstrating the results through projects in installation and performance contexts.



Above: the flow model used in Music 158 for the design of interactive instrumental systems using the “Odyssey” OpenSoundControl (OSC) library for real-time data processing, developed at CNMAT by John MacCallum, Adrian Freed, Rama Gottfried, and Ilya Rostovtsev.