

Tim Perkis has been working in the medium of live electronic and computer sound for many years, performing and recording in North America, Europe and Japan. His artistic work has largely been concerned with the sonification of complex data flows, exploring the emergence of life-like properties in systems of interaction.

In addition, he is a well known performer in the world of improvised music, having performed on his electronic improvisation instruments with hundreds of artists and groups from around the world, including Chris Brown, John Butcher, Eugene Chadbourne, Fred Frith, Gianni Gebbia, Frank Gratkowski, Luc Houtkamp, Yoshi Ichiraku, Matt Ingalls, Joelle Leandre, Gino Robair, ROVA saxophone quartet, Elliott Sharp, Leo Wadada Smith, Wobbly and John Zorn.

He is a pioneer of the use of computers in live musical performance, beginning in the 1970's with the League of Automatic Music Composers and ongoing to this day with the Hub, pioneering live computer network bands which have been concerned with the mapping of complex data flows into musical representations.

His occasional critical writings have been published in *The Computer Music Journal*, *Leonardo* and *Electronic Musician* magazine, as well as appearing in the *Oxford Companion to Computer Music* (Oxford Univ. Press, ed. Roger Dean, 2010) and the volume *Art and Complexity* (Elsevier, ed. J. Casti, 2003). He has been composer-in-residence at Mills College in Oakland California, artist-in-residence at Xerox Corporation's Palo Alto Research Center, and designed musical tools and toys at Microsoft founder Paul Allen's legendary thinktank, Interval Research.

In his varied career as a researcher and engineer he has pursued a variety of interesting projects: designing museum displays for science and music museums in San Francisco, Toronto and Seattle; creating artificial-intelligence based auction tools and sensor fusion network visualization tools for the logistics industry; building scientific experimental apparatus; consulting on multimedia art presentation networks for the San Francisco Art Commission and San Francisco International Airport; writing audio and control software

embedded in toys and other consumer products; and creating new tools for sound and video production, research and analysis.

Recordings of his musical work are available on several labels: Artifact, Limited Sediton, 482, Lucky Garage, Praemedia, Rastascan and Tzadik(USA); EMANEM(UK); Sonore and Meniscus(France); Curva Minore and Snowdonia(Italy); XOR(Netherlands); Creative Sources(Portugal).

He is also producer and director of a feature-length video documentary on musicians and sound artists in the San Francisco Bay area called NOISY PEOPLE (2007).

He is currently visiting faculty in Music Composition at California Institute of the Arts, Valencia, California.